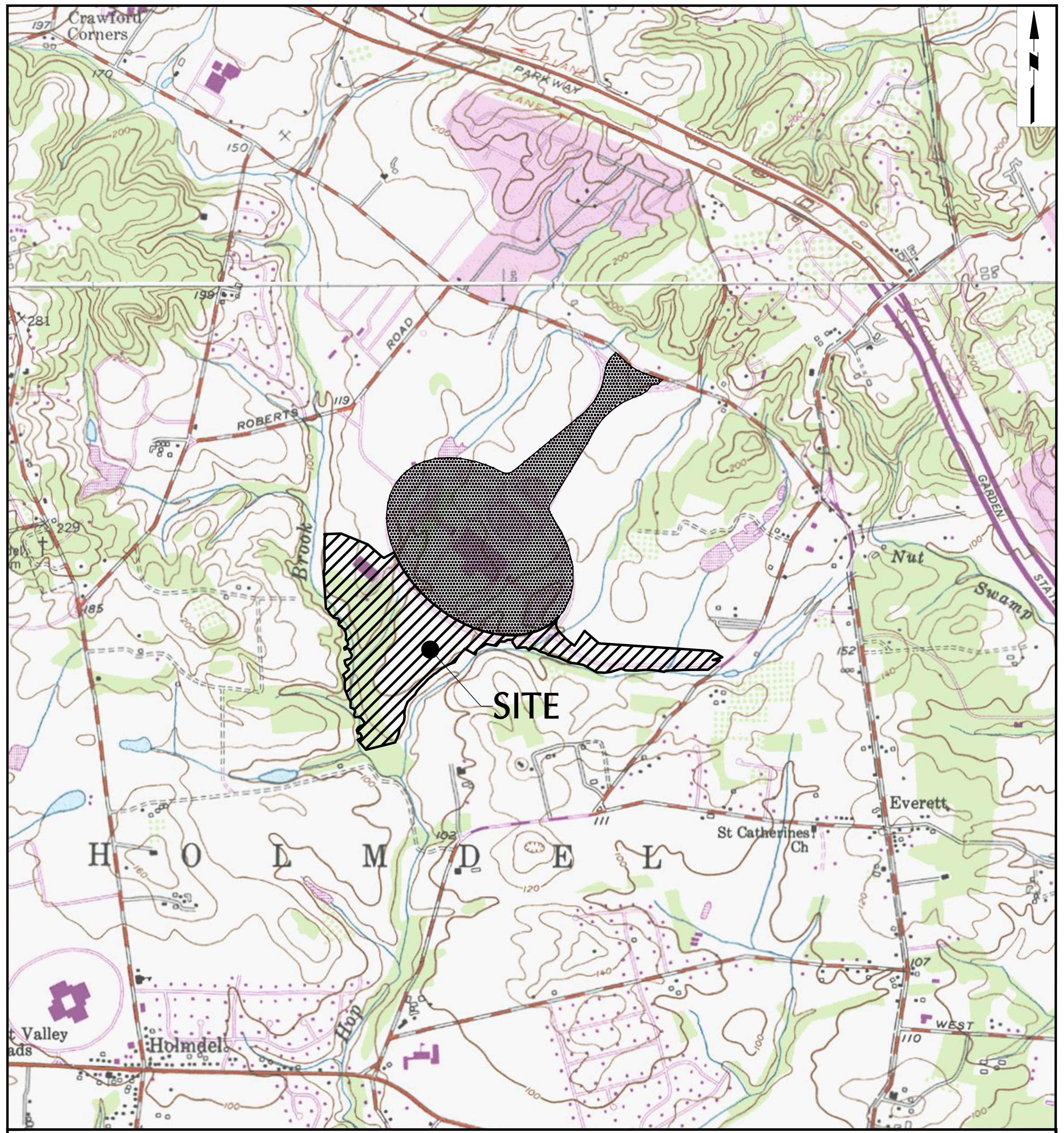
PRELIMINARY AND FINAL MAJOR SITE PLAN AND MINOR SUBDIVISION APPLICATION

DATA CENTER AT BELL WORKS
101 CRAWFORDS CORNER ROAD
BLOCK NO. 11, LOT NO. 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY


Crawford Corners
PARKWAY
ROAD
ROBERTS
GARDEN STATE
Brook
Nut Swamp
SITE
Everett
St Catherines Ch
H O L M D E L
Valley
Holmdel
Hop
WEST

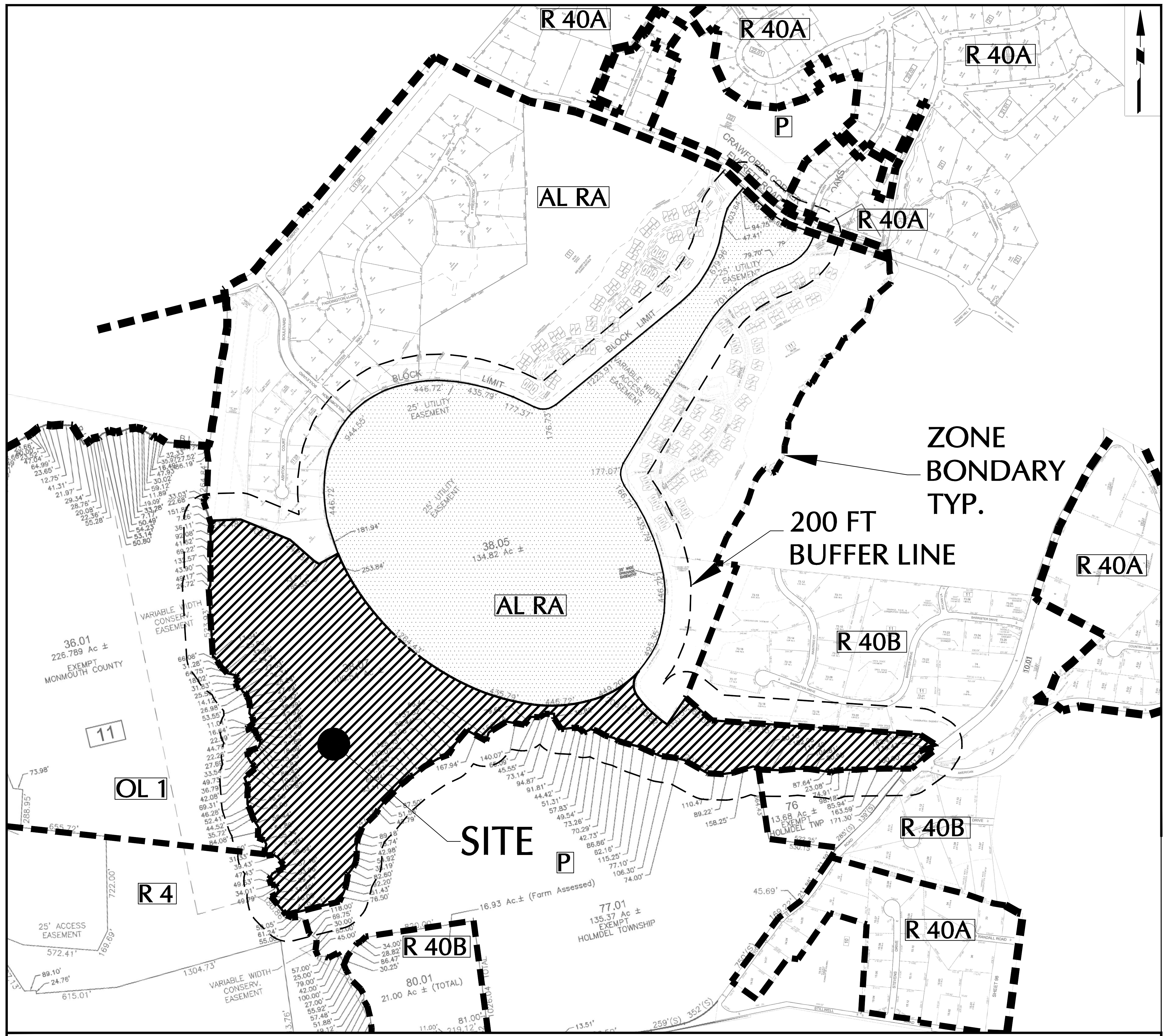
KEY MAP

SCALE: 1" = 1,000'

1,000 0 500 1,000
SCALE: 1 INCH = 1,000 FEET

REFERENCES:

1. KEYPORT AND MARLBORO USGS QUDRANGLE MAP.


R 40A
R 40A
R 40A
P
AL RA
R 40A
ZONE BONDARY TYP.
200 FT BUFFER LINE
AL RA
38.05
134.82 Ac ±
R 40A
R 40B
36.01
226.789 Ac ±
EXEMPT MONMOUTH COUNTY
11
OL 1
SITE
P
R 40B
R 4
R 40B
R 40A
77.01
135.37 Ac ±
EXEMPT HOLMDEL TOWNSHIP
80.01
21.00 Ac ± (TOTAL)
16.93 Ac± (Farm Assessed)
25' ACCESS EASEMENT
VARIABLE WIDTH CONSERV. EASEMENT

TAX AND ZONING MAP

SCALE: 1" = 500'

500 0 250 500
SCALE: 1 INCH = 500 FEET

REFERENCES:

1. TOWNSHIP OF HOLMDEL ZONING MAP, LAST REVISED JUNE 2020.
2. TOWNSHIP OF HOLMDEL TAX MAP SHEETS # 73, 75, 89, 90, 91, 92, 95, 96, 97, AND 109.

ZONING DISTRICT LEGEND

AL–RA	ALCATEL–LUCENT REDEVELOPMENT AREA
P	PUBLIC LANDS
R 4	RESIDENTIAL & AGRICULTURE
OL 1	OFFICE LABORATORY
R 40A	RESIDENTIAL & AGRICULTURE
R 40B	RESIDENTIAL & AGRICULTURE

PROJECT CONTACTS:

PROJECT OWNER

SOMERSET HOLMDEL DEVELOPMENT I
URBAN RENEWAL LP
101 CRAWFORDS CORNER ROAD
HOLMDEL, NJ 07733
TEL: (732) 741-3900

APPLICANTS

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ARCHITECT

CI DESIGN INC.
479 ROUTE 520, SUITE B209
MARLBORO TOWNSHIP, NJ 07746
TEL: (414) 384-4244

SITE/CIVIL ENGINEER, SURVEYOR, AND LANDSCAPE ARCHITECT:

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

300 KIMBALL DRIVE, 4TH FLOOR
PARSIPPANY, NEW JERSEY 07054
TEL: (973) 560-4900
FAX: (973) 560-4901

Project No. 102054601

DRAWING INDEX

SURVEY & SITE/CIVIL DRAWINGS (LANGAN):

CS001	COVER SHEET
CS002	ZONING TABLE AND CERTIFIED 200 FT PROPERTY OWNERS LIST
CS003	GENERAL NOTES
VT100	BOUNDARY AND TOPOGRAPHIC SURVEY
VT101	BOUNDARY AND TOPOGRAPHIC SURVEY
VT102	BOUNDARY AND TOPOGRAPHIC SURVEY
VT103	BOUNDARY AND TOPOGRAPHIC SURVEY
VT104	BOUNDARY AND TOPOGRAPHIC SURVEY
VT105	BOUNDARY AND TOPOGRAPHIC SURVEY
VT106	BOUNDARY AND TOPOGRAPHIC SURVEY
WN101	NATURAL RESOURCE SURVEY MAP
WN102	AERIAL MAP
CB101	MINOR SUBDIVISION PLAN
CB102	MINOR SUBDIVISION PLAN
CS100	OVERALL SITE PLAN
CS101	SITE PLAN
CS102	TRUCK CIRCULATION PLAN
CG102	GRADING PLAN
CG101	DRAINAGE PLAN
CU101	UTILITY PLAN
CU102	OFF-SITE UTILITY PLAN AND PROFILE
CG201	DRAINAGE PROFILES I
CG202	DRAINAGE PROFILES II
CG203	DRAINAGE PROFILES III
CU201	UTILITY PROFILES I
CU202	UTILITY PROFILES II
CU203	UTILITY PROFILES III
CE101	SOIL EROSION AND SEDIMENT CONTROL PLAN
CE102	OFF-SITE SOIL EROSION AND SEDIMENT CONTROL PLAN
CE501	SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
CA101	STEEP SLOPES DISTURBANCE PLAN
LD100	OVERALL WOODLAND RETENTION AND PRESERVATION PLAN
LD101	WOODLAND RETENTION AND PRESERVATION PLAN I
LD102	WOODLAND RETENTION AND PRESERVATION PLAN II
LD103	WOODLAND RETENTION AND PRESERVATION PLAN III
LP101	LANDSCAPE PLAN
LP501	LANDSCAPE NOTES AND DETAILS
LL101	LIGHTING PLAN
LL501	LIGHTING NOTES AND DETAILS
CS501	CONSTRUCTION DETAILS I
CS502	CONSTRUCTION DETAILS II
CS503	CONSTRUCTION DETAILS III
CS504	CONSTRUCTION DETAILS IV
CS505	CONSTRUCTION DETAILS V
CS506	CONSTRUCTION DETAILS VI

APPROVED BY THE
PLANNING BOARD OF THE
TOWNSHIP OF HOLMDEL

BOARD CHAIRMAN DATE

BOARD SECRETARY DATE

BOARD ENGINEER DATE

"I HEREBY CERTIFY THAT I AM THE OWNER OF RECORD OF THE PLAN HEREIN DEPICTED AND THAT I CONCUR WITH THE PLAN".

NAME DATE

REFER TO DRAWING CSS002 FOR ZONING TABLE AND CERTIFIED 200-FT PROPERTY OWNERS LIST

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

COVER SHEET

Project No.	102054601
Date	7/24/2026
Drawn By	ICB
Checked By	LDS
Drawing No.	CS001

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CERTIFIED LIST OF PROPERTY OWNERS WITHIN 200 FEET

BLOCK	LOT-QUAL	PROPERTY OWNER / ADDRESS
11	38.05	SOMERSET HOLMDEL DEVEL ILP-COFORGE 2727 LBJ FREEWAY SUITE 806 DALLAS, TX 75234
11	38.06	% HOMESTEAD MGM SERVICEC LLC PO BOX 644 PINEBROOK, NJ 07058
10.1	7	HOLMDEL TOWNSHIP 4 CRAWFORDS CORNER ROAD HOLMDEL, NJ 07733
11	32.01-QFARM	FOX HOLLOW FARMS LLC 178 STATE HWY 34 / SCHANCK HOLMDEL, NJ 07733
11	36.01	STATE OF NEW JERSEY ET ALS PO BOX 330 JOHN FITCH P TRENTON, NJ 08625
11	38.04	% HOMESTEAD MGM SERVICEC LLC PO BOX 644 PINEBROOK, NJ 07058
11	73.07	HOLMDEL VALLEY ESTATES INC 3 JACOMA BLVD OLD BRIDGE, NJ 08857
11	38.07	SOMERSET MEZZ HOLDINGS LP 2727 LBJ FREEWAY, SUITE 806 DALLAS, TX 75234
11	73.17	WALDEN PARK HOMEOWNERS ASSOC 14 BARRISTER DRIVE HOLMDEL, NJ 07733
11	73.2	WALDEN PARK HOMEOWNERS ASSOC 14 BARRISTER DRIVE HOLMDEL, NJ 07733
11	76	HOLMDEL TOWNSHIP 4 CRAWFORDS CORNER ROAD HOLMDEL, NJ 07733
11	07-12	RESERVE AT HOLMDEL HOMEOWNERS ASSOC 250 GIBRALTAR ROAD HORSHAM, PA 19044
22	20.06	HOLMDEL TOWNSHIP 4 CRAWFORDS CORNER ROAD HOLMDEL, NJ 07733
22	02-15	HOLMDEL TOWNSHIP 4 CRAWFORDS CORNER ROAD HOLMDEL, NJ 07733
22	02-1	PUSKAS WILLIAM E JR 2 SEVEN OAKS DRIVE HOLMDEL, NJ 07733
11	77.01	HOLMDEL TOWNSHIP 4 CRAWFORDS CORNER ROAD HOLMDEL, NJ 07733
22	20.07	LIU THOMAS & CHIUNG-YIN 3 SEVEN OAKS CIRCLE HOLMDEL, NJ 07733
11	73.21	NOTARO LOUIS & LISA 10 BARRISTER DRIVE HOLMDEL, NJ 07733
11	73.18	KILEY MICHAEL & MARGARET 14 BARRISTER DRIVE HOLMDEL, NJ 07733
11	73.19	GONZALEZ WILSON & BENEDICTA 12 BARRISTER DRIVE HOLMDEL, NJ 07733
11	73.08	BIGGS MICHAEL & DANIELLE 1 RAINTREE COURT HOLDMEL, NJ 07733
10	11.11	PERAIZ ASLAM & ASLAM RAHEELA 11 HASTINGS ROAD HOLMDEL, NJ 07733
10	11.12	JAIN SAPNA 9 HASTINGS ROAD HOLMDEL, NJ 07733
10	11.13	BATHENA ADITHYA & RIMMA 7 HASTINGS ROAD HOLMDEL, NJ 07733
11	06-29	DEDHIA SAMIR & SHEENA 6 EXETER WAY HOLMDEL, NJ 07733
11	06-30	PARK EUNHUI 4 EXETER WAY HOLMDEL, NJ 07733
11	06-31	CLIFORD CLAUDINE & ERIC R 2 EXETER WAY HOLMDEL, NJ 07733
11.07	1	ALDREDGE SUZANNE G 2 ASHTON COURT HOLMDEL, NJ 07733
11.07	2	PITCHUMONJ SURESH & VINITA 4 ASHTON COURT HOLMDEL, NJ 07733
11.07	3	HSU ELLICK & YUEN COLLEEN C 6 ASHTON COURT HOLMDEL, NJ 07733
11.07	4	SHAH KETAN & RUPAL 8 ASHTON COURT HOLMDEL, NJ 07733
11.07	5	GUPTA NAMITA JAIN & NIKET KUMAR 10 ASHTON COURT HOLMDEL, NJ 07733
11.07	6	PATEL RAVID & KRUTIA 11 ASHTON COURT HOLMDEL, NJ 07733
11.07	7	JAIN AMIT & SHEVETA 9 ASHTON COURT HOLMDEL, NJ 07733
11	38.04 C-0371	RUTIGLIANO DOMINICK & MARIAN 2 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0372	GRAHAM RODGER AYNES & KATHLEEN ANN 4 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0373	MORA MELINDA & WELSH RONALD 6 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0374	MARRA RICHARD & ANN MARIE 8 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0381	BHATNAGAR SATISH KUMAR & RITI 10 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0382	SHENG DIANE 12 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0383	LAURIE PATER 2026 REVOCABLE TRUST 14 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0391	PETROU THEODORE & CHRYSTALLA 16 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0392	CRUZ LUCINIO & DORIS TRUSTEES 221 JAMAICA LANE PALM BEACH, FL 33480
11	38.04 C-0393	TOW AGNES CHU-CHUN & DON M 20 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0401	DEMAIO MICHAEL & DARLENE FERN 22 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0402	ROSSER WILLIAM CONNOLLEY & PHYLLIS 24 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04 C-0403	TODISCO FAMILY TRUST 26 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.04-C0523	MASSARO ANN CAROL & JOSEPH D 51 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0531	LOBELLO FRANK JR & LEA ANN TRUSTEE 252 S MAYA PALM DRIVE BOCA RATON, FL 33432
11	38.04-C0532	CAMPBELL & BELOPOLSKY LIVING TRUST 28 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0533	CIPRIANI JOHN & CARMELA 26 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0561	LIVING WORD CHRISTIAN FELLOWSHIP IN 81 HIGHWAY 35 NEPTUNE, NJ 07753
11	38.04-C0562	ZERVOS CHRISTIAN R & GEORGETA 9 GREYLYNNE COURT HOLMDEL, NJ 07733
11	38.04-C0563	CHUNG ALAN & GRACE H 11 GREYLYNNE COURT HOLMDEL, NJ 07733
11	38.04-C0571	ZITO GIOVANNI & MANUELA 12 GREYLYNNE COURT HOLMDEL, NJ 07733
11	38.04-C0572	KAUFMAN JAMES CRAIG & REBECCA JUNE 10 GREYLYNNE COURT HOLMDEL, NJ 07733
11	38.04-C0573	LACHNICHT CYNTHIA A 8 GREYLYNNE COURT HOLMDEL, NJ 07733
11	38.04-C0601	SHAH CHIRAG M & HEMANGINI 17 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0602	HENRY MICHAEL & CLAUDINE 10 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0603	HENRY MICHAEL & CLAUDINE 8 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0611	LEE KIM CHIU & YUEN SHARON S 6 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0612	OSMANOVA NATALY 4 STRATFORD LANE HOLMDEL, NJ 07733
11	38.04-C0613	RANSOM JOHN WILLIAM & LAURA JEAN 2 STRATFORD LANE HOLMDEL, NJ 07733
11	38.06-C0011	TERRONE RONALD & LUCLLE 5 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0012	CRITELLI THOMAS JOHN & LOUISE SUSA 3 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0013	GIANFAGNA ICHAEK A & ORLANDO PHY 1 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0021	BASRI WILLIAM & NANCY 11 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0022	ABRAMS DAVID C & COLEEN K 9 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0023	TUSSING VICTORIA & DONNA 7 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0024	KERN BRUCE M 17 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0032	NIKOO NEZAM TEHRANI & EMILY MARIE TRU 15 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0033	WARNKE CAROLYN 13 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0041	HLVATY DANIEL & KATHY 23 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0042	HAUKE GREGORY J & MENDELSON DONNA 21 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0043	WIENER DAVID C & SHELIA L 19 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0051	XUE BIAO & QIAN MICHELLE TRUSTEE 29 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0052	FAHEY WALTER J & DAURIO NANCY R 27 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0053	IANNACONE WILLIAM & JEAN 25 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0061	ENG WANDA & LAU ERIC P TRUSTEER 35 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0062	LERNER MARC E & EMILY B 33 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0063	INGERETHSEN BRADLEY & VANESSA 31 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0071	KAN HSIN-KUO & BRENDAY 41 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0072	ADES LIVING TRUST 39 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0073	DUMBRA MARIE TRUSTEE 37 LANGTON DRIVE HOLMDEL, NJ 07733
11	38.06-C0231	KEALY LUKE J & MARY LYNN 25 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0232	TUOZZO ILEANA A & EDWARD C 21 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0241	SANTO MARIE LOUISE 19 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0242	SCHWARZ SUMNER I & LISH H 21 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0243	GRONBECK PETER WALTER & ROBIN JORG 23 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0251	RAGO JOSEPH J & MARIA F 13 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0252	GROSS GARY & JEANNE 15 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0253	STATILE RONALD J & MARGARET P 17 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0261	MCGOWAN THOMAS J & JUDITH G 7 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0262	HECHT HAROLD JONAS JR & ELANA SOPHIA 9 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0263	CONTI FRANCIS & SUSAN 11 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0271	SCHNORBUS MARY LYNNE 1 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0272	BURKE STEVEN & ELAINE 3 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0273	FRIEMAN LAWRENCE & GAIL R 5 LENNOX COURT HOLMDEL, NJ 07733
11	38.06-C0281	LAURIA MARK & LAURA 43 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.06-C0282	KISH FREDERICK & LINDA 45 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.06-C0283	GIMLETT BRIAN F SR & LINDA M 47 JANSKY DRIVE HOLMDEL, NJ 07733
11	38.06-C0293	DUNN HOWARD & DIANE NOVICK 41 JANSKY DRIVE HOLMDEL, NJ 07733

ZONING TABLE

ZONING TABLE - DATA CENTER AT BELL WORKS
HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY
EXISTING BLOCK NO. 11, LOT NO. 38.07
PROPOSED BLOCK NO. 11, LOT NO. 38.08
ZONING DISTRICT: ALCATEL-LUCENT REDEVELOPMENT AREA (AL RA)

CODE SECTION	DESCRIPTION	REQUIRED / PERMITTED	PROPOSED LOT 38.08	VARIANCE OR DESIGN WAIVER REQUIRED
HOLMDEL TOWNSHIP CODE				
USE REQUIREMENTS				
ALRP, V.B.2a.	PERMITTED PRINCIPAL USES	A DATA CENTER AND/OR HEALTH CLUB FACILITY IS PERMITTED WITHIN THE GENERAL AREA OF THE EXISTING MAINTENANCE BUILDING. THE FOLLOWING USES SHALL BE PERMITTED WITHIN SAID AREA: A HEALTH CLUB FACILITY, A DATA CENTER, ACTIVE OR PASSIVE OPEN SPACE INCLUDING ACCESSORY USES FOR OPEN SPACE SUCH AS TRAILS, PARKING AREAS, LIGHTING, BATHROOM FACILITIES, ETC.	DATA CENTER WITHIN THE GENERAL AREA OF THE EXISTING MAINTENANCE BUILDING	NO
ALRP, V.B.2b.	PERMITTED ACCESSORY USES	ACCESSORY USES CUSTOMARY INCIDENTAL AND ANCILLARY TO A PERMITTED USE, INCLUDING LIGHTING, GAZEBOS, BATHROOM FACILITIES, ETC. ROOF-TOP MOUNTED STRUCTURES FOR HEATING, COOLING, VENTILATION, HOT WATER OR GENERATION OF ELECTRICITY THROUGH RENEWABLE ENERGY RESOURCES SPORT COURTS AND OTHER ACCESSORY STRUCTURES AND USES INCIDENTAL TO THE PERMITTED USES. OUTDOOR POOLS AND OTHER ACCESSORY STRUCTURES AND USES INCIDENTAL TO THE PERMITTED USES. DETENTION BASINS, INFILTRATION BASINS, SWALES, WET PONDS, RAIN GARDENS, AND CONSTRUCTED STORMWATER WETLANDS THAT HANDLE STORMWATER MANAGEMENT.	COMPLIES	NO
BULK REGULATIONS (DEVELOPMENT STANDARDS)				
ALRP, V.B.2	MINIMUM LOT AREA	N/A	351,727 SF / 8.07 AC	NO
ALRP, V.B.2	MINIMUM FRONT YARD SETBACK	N/A	292.9 FEET	NO
ALRP, V.B.2	MINIMUM SIDE YARD SETBACK	N/A	68 FEET	NO
ALRP, V.B.2	MINIMUM REAR YARD SETBACK	N/A	169.5 FEET	NO
ALRP, V.B.2	MAXIMUM BUILDING HEIGHT	N/A	2 STORIES 54 FT FROM FINISHED FLOOR TO ROOF PARAPET 54.8 FT FROM GRADE PLANE TO ROOF PARAPET	NO
ALRP, V.B.2	MAXIMUM IMPERVIOUS COVERAGE	N/A	50.1%	NO
ALRP, V.B.2	MAXIMUM BUILDING COVERAGE	N/A	15.7%	NO
PARKING REQUIREMENTS				
ALRP, V.B.2.c.	MINIMUM NUMBER OF REQUIRED PARKING SPACES	DATA CENTER: 1 SPACE PER 1,500 S.F. (108,000 S.F.) * (1 SPACE /1,500 S.F.) = 72 SPACES	34 SPACES (EXCLUDES EV CREDITS)	**YES**
ALRP, V.B.2.c.	MINIMUM CAR PARKING STALL DIMENSIONS	OFF STREET PARKING SPACES SHALL BE A MINIMUM OF NINE FEET WIDE AND EIGHTEEN FEET IN LENGTH.	COMPLIES	NO
TOWNSHIP ORDINANCE, §30-80.a.	MINIMUM SETBACK FROM DRIVEWAY TO PROPERTY LINES	20 FT	21 FT	NO
TOWNSHIP ORDINANCE, §30-80.e.6	MINIMUM DRIVEWAY AISLE WIDTH	2-WAY AISLE AND 9-FT-WIDE PARKING SPACE: 25 FT	26 FT	NO
TOWNSHIP ORDINANCE, §30-84.6 d. 2.	MINIMUM NUMBER OF ELECTRIC VEHICLE PARKING SPACE REQUIREMENTS	INSTALL AT LEAST ONE MAKE-READY PARKING SPACE IF THERE WILL BE 50 OR FEWER OFF-STREET PARKING SPACES.	2 EV PARKING SPACES	NO
BUFFER REQUIREMENTS				
TOWNSHIP ORDINANCE, §30-54.c.	BUFFER REQUIREMENTS ADJACENT TO RESIDENTIAL USES	A STRIP OF LAND 20% OF THE AVERAGE WIDTH AND DEPTH OF THE PROPERTY WHEN A NONRESIDENTIAL USE ABUTS A RESIDENTIAL OR P-PUBLIC LAND ZONE ON THE SIDE OR REAR, RESPECTIVELY, SHALL BE DESIGNATED AS A BUFFER AREA AND SO INDICATED ON THE PLAT. AVERAGE LOT WIDTH MEASURED FROM NORTHERN PROPERTY BOUNDARY TO REAR PROPERTY LINE (AVG. OF MIN AND MAX WIDTH: (428 FT + 479 FT) / 2 = 454 FEET 20% OF AVERAGE = 91 FT	BUFFER > 20% MIN BUFFER: 91.5 FEET	NO
STEEP SLOPES REQUIREMENTS				
TOWNSHIP ORDINANCE, §30-116.6 f. 1.	STEEP SLOPE DISTURBANCE	ON THE PLOT PLAN AREA WHERE SLOPES ARE BETWEEN 15% AND 24.99%, NO MORE THAN 20% OF THIS AREA OR 5,000 SQUARE FEET, WHICHEVER IS SMALLER, SHALL BE DEVELOPED AND/OR RE-GRADED OR STRIPPED OF VEGETATINO	DISTURBANCE OF SLOPES BETWEEN 15 AND 24.99%: 4,912 SF	NO
TOWNSHIP ORDINANCE, §30-116.6 f. 2. & 30-116.6 g. 2.	STEEP SLOPE DISTURBANCE	ON AREAS WITH SLOPES GREATER THAN 25%, NO DEVELOPMENT, REGRADING OR STRIPPED OF VEGETATION SHALL BE ALLOWED. REGULATION ABOVE DOES NOT APPLY IF THE DISTURBANCE IS NEEDED FOR DRIVEWAYS OR UTILITY AND DRAINAGE SYSTEMS, AND NO BETTER OPTION FOR THEIR LOCATION IS AVAILABLE, IN THE OPINION OF THE REVIEWING AUTHORITY AND BASED ON, AMONG OTHER CONSIDERATIONS, THE ADVICE OF THE BOARD OR TOWNSHIP ENGINEER.	REDEVELOPMENT IS PROPOSED ON EXISTING SLOPES GREATER THAN 25%, WHICH IS REQUIRED FOR DRIVEWAYS AND UTILITY SYSTEMS THESE LOCATIONS ALSO MINIMIZE DISTURBANCES TO UNDISTURBED WOODLANDS AND NJDEP REGULATED AREAS.	NO
TOWNSHIP ORDINANCE, §30-116.6 f. 3.	SLOPE SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS	ON AREAS WHERE SLOPES GREATER THAN 8% ARE TO BE DISTURBED, REGRADED OR STRIPPED OF VEGETATION, HAY BALES AND SILT FENCES SHALL BE INSTALLED PRIOR TO THE ONSET OF THE DISTURBANCE OF THE SLOPE. THIS REQUIREMENT IS IN ADDITION TO ANY REQUIREMENTS OF THE MONMOUTH COUNTY SOIL EROSION AND SEDIMENT CONTROL STANDARDS.	COMPLIES	NO
TOWNSHIP ORDINANCE, §30-116.6 f. 4. & 30-116.6 g. 4.	STEEP SLOPE REGRADING	REGRADING TO CREATE SLOPES GREATER THAN 25% IS PROHIBITED REGULATION DOES NOT APPLY TO LANDSCAPE BERMS OR DETENTION BASINS.	COMPLIES	NO

ZONING TABLE NOTES:

1. ZONING REQUIREMENTS OBTAINED FROM § 30 OF THE HOLMDEL TOWNSHIP ORDINANCE, LAST REVISED MARCH 2026, AND THE ALCATEL-LUCENT REDEVELOPMENT PLAN (ALRP) DATED APRIL 2012.
2. GRADE PLANE TAKEN AS THE AVERAGE OF THE LOWEST ELEVATION WITHIN 6 FEET OF EACH BUILDING CORNER
   GRADE PLANE = (111.41 + 110.73 + 107.50 + 111.44 + 111.30 + 111.37 + 111.36) / 7 = 110.7
   FINISHED FLOOR EL = 111.5
   BUILDING HEIGHT: 54 + (111.5 - 110.7) = 54.8 FT
3. REFER TO PLANS PREPARED BY OTHERS FOR EVALUATION OF ARCHITECTURAL ZONING REQUIREMENTS.
4. REFER TO LANDSCAPE ARCHITECTURE AND LIGHTING PLANS FOR EVALUATION OF LANDSCAPE, LIGHTING, AND WOODLAND PROTECTION REQUIREMENTS.

5. AS REQUIRED BY THE TOWNSHIP CHECKLIST:
TOTAL AREA OF LANDSCAPING/OPEN SPACE ON PROPOSED LOT 38.08: 175,546 SF
TOTAL AREA AS OF LANDSCAPING/OPEN SPACE EXPRESSED AS A PERCENTAGE OF LAND DISTURBED ON PROPOSED LOT 38.08: (175,546 / 276,161) = 64%

PUBLIC ENTITIES AND UTILITIES TO BE NOTIFIED

LORRAINE GORMAN
RIGHT-OF-WAY AGENT
VERIZON NEW JERSEY INC.
5100 BELMAR BOULEVARD
FARMINGDALE, NJ 07727

RICK ALBANESE
RIGHT-OF-WAY: CLAIMS REPRESENTATIVE
NEW JERSEY NATURAL GAS COMPANY
1415 WYCKOFF ROAD
WALL, NJ 07719

WILLIAM BRANDOW
MAINTENANCE SUPERVISOR
COMCAST CABLEVISION OF MONMOUTH COUNTY, INC.
403 SOUTH STREET
EATONTOWN, NJ 07724

GPU ENERGY
REAL ESTATE DEPARTMENT
P.O. BOX 16001
READING, PA 19605

SHORELANDS WATER COMPANY
MICHAEL P. WALSH, PRESIDENT
1709 UNION AVENUE
P.O. BOX 158
HAZLET, NJ 07730

DAVID R. LEGG, MANAGER
NEW JERSEY-AMERICAN WATER COMPANY
661 SHREWSBURY AVENUE
SHREWSBURY, NJ 07702

WENDY L. PATROVICH
TOWNSHIP CLERK
4 CRAWFORDS CORNER ROAD
HOLMDEL, NJ 07733

MONMOUTH COUNTY PLANNING BOARD
HALL OF RECORDS ANNEX
1 EAST MAIN STREET - 2ND FLOOR
FREEHOLD, NJ 07728

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

ZONING TABLE AND CERTIFIED 200 FT PROPERTY OWNERS LIST

Project No. 102054601
Date 7/24/2026
Drawn By ICB
Checked By LDS
Drawing No. CS002

Project No. 102054601

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GENERAL NOTES

1. THESE PLANS REPRESENT OVERALL SITEWORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE WORK TO BE PERFORMED IS SHOWN ON THE DRAWINGS AND IS DESCRIBED IN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT ALL SPECIFIC SITE DETAILS OF INSTALLATION REQUIRED FOR SITEWORK CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL IMPROVEMENTS REQUIRED TO ACHIEVE CONSTRUCTION DEPICTED ON THESE PLANS.
2. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS AS DEEMED NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
3. THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFI) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFI SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS
4. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL SPECIFICALLY REVIEW ALL PLANS, PROFILES AND ANY INFORMATION/DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
5. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED ON SHEETS THROUGHOUT THE PLAN SET AND AVAILABLE REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL APPLICABLE REQUIREMENTS.
6. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.
7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DRAINAGE AND UTILITY STRUCTURES AND MANUFACTURED PRODUCTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION.
8. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, BOLLARDS, ETC.
9. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS.
10. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
11. CONTRACTOR TO CONFIRM ALL ADA WORK IS PERFORMED IN ACCORDANCE WITH THE LATEST STANDARD AND REGULATIONS PER APPLICABLE HOLMDEL TOWNSHIP, MONMOUTH COUNTY, STATE OF NEW JERSEY AND FEDERAL CODES.

PROFILE NOTES

1. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. PLAN VIEW OF STORM PIPES SHOWN IN PROFILES CAN BE FOUND ON DRAWING CG102 – DRAINAGE PLAN. PLAN VIEW OF SANITARY AND WATER PIPES SHOWN IN PROFILES CAN BE FOUND ON DRAWING CU101 – UTILITY PLAN.
3. EXISTING UTILITY INFORMATION SHOWN ON THE PROFILE WAS OBTAINED FROM VARIOUS SOURCES AS INDICATED ON THE TOPOGRAPHIC SURVEY AND SHOULD NOT BE CONSIDERED EXACT. THE CONTRACTOR MAY HAVE TO EMPLOY ADDITIONAL MEASURES, INCLUDING TEST PITS, TO VERIFY EXISTING CONDITIONS.
4. PROPOSED GAS, ELECTRIC, AND TELECOM SERVICES ARE SHOWN SCHEMATICALLY AND ARE THEREFORE, NOT SHOWN ON THE UTILITY PROFILES. CONTRACTOR SHALL COORDINATE WITH RESPONSIBLE PARTIES, WHICH MAY INCLUDE THE UTILITY PROVIDER, ARCHITECT, OR MEP ENGINEER, TO OBTAIN THE ACTUAL SIZE, LOCATION, AND DEPTH.
5. PROPOSED WATER AND SANITARY LATERALS ARE NOT SHOWN ON THE UTILITY PROFILES FOR DRAWING CLARITY. CONTRACTOR SHALL COORDINATE WITH RESPONSIBLE PARTIES, WHICH MAY INCLUDE THE UTILITY PROVIDER, ARCHITECT, OR MEP ENGINEER, TO OBTAIN THE ACTUAL SIZE, LOCATION, AND DEPTH.
6. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S ENGINEER PRIOR TO ADJUSTING ELEVATIONS TO RESOLVE CONFLICTS WITH OTHER UTILITIES. CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT FOR SANITARY PIPES AS REQUIRED IN CONSTRUCTION DETAILS OR BY REGULATORY AUTHORITY.
7. THE PROFILES ARE NOT INTENDED TO BE USED FOR CALCULATING EARTHWORK QUANTITIES.

DEMOLITION NOTES

1. PRIOR TO COMMENCEMENT OF ANY SOIL DISTURBANCE, THE CONTRACTOR SHALL INSTALL SOIL EROSOIN AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. THE CONTRACTOR SHALL INSPECT THE SITE THOROUGHLY AND FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. SOME UNDERGROUND UTILITIES MAY BE LOCATED DIFFERENTLY THAN SHOWN ON THIS PLAN. ALL CONTRACTORS USING THESE PLANS FOR DEMOLITION OR CONSTRUCTION SHALL CONFIRM ALL UTILITIES IN THE FIELD TO ESTABLISH LOCATIONS, SIZES, MATERIALS, AND ELEVATIONS. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE OWNER. CONTRACTOR SHALL PROTECT AND MAINTAIN UTILITIES AS NOTED.
3. PRIOR TO COMMENCEMENT OF ANY SOIL DISTURBANCE, THE CONTRACTOR SHALL INSTALL SOIL EROSION MEASURES AS INDICATED ON THE SOIL EROSION AND SEDIMENT CONTROL PLANS.
4. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE TO VERIFY THE EXISTING CONDITIONS DEPICTED ON THE "ALTA/NSPS LAND TITLE SURVEY". THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER IMMEDIATELY IF OBSERVED CONDITIONS DIFFER SUBSTANTIALLY FROM THE PLAN.
5. ALL CONSTRUCTION AND DEMOLITION DEBRIS GENERATED BY THIS PROJECT SHALL BE PROPERLY DISPOSED OF AT AN ACCEPTABLE OFF-SITE FACILITY.
6. PROVIDE THE REQUIRED INSPECTION, TESTING AND PROGRESS REPORTS TO THE OWNER.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, COORDINATION EFFORTS, PERMITTING COSTS, CERTIFICATE COSTS, SERVICES, FILING FEES, TESTING COSTS, SECURITY, INSURANCE AND ALL OTHER ASSOCIATED OR RELATED ITEMS REQUIRED TO COMPLETE THE SCOPE OF WORK DESCRIBED IN THIS SECTION.
8. THE EXISTING BUILDINGS CONTAIN ASBESTOS-CONTAINING MATERIALS (ACM) AND OTHER REGULATED MATERIALS. CONTRACTOR SHALL ABATE ALL BUILDINGS PRIOR TO DEMOLITION.
9. INSTALL AND MAINTAIN A TEMPORARY EIGHT-FOOT HIGH CHAINLINK FENCE WITH ENTRANCE GATES IN CONJUNCTION WITH EXISTING PERIMETER SECURITY (I.E. MASONRY WALLS, CHAIN-LINK FENCE, ETC.), AS DETERMINED BY SITE CONTRACTOR, AND AS REQUIRED TO PROPERLY AND SAFELY SECURE THE DEMOLITION OPERATION AND IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS.
10. INSTALL AND MAINTAIN ROADWAY CONSTRUCTION SIGNAGE AND ASSOCIATED TRAFFIC MEASURES, WHERE REQUIRED.
11. INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING THE ADJACENT ROADWAYS DUE TO DEMOLITION RELATED DEBRIS, DUST AND SEDIMENT AS NECESSARY OR AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER.
12. IMPLEMENT ALL SAFETY MEASURES AND ANY OTHER MEASURES DEEMED NECESSARY OR REQUIRED BY GOVERNING AUTHORITIES TO PROTECT FROM HARM OR DAMAGE ADJACENT AND ON-SITE PERSONS, PROPERTY, BUILDINGS, HOMES, BUSINESSES, FACILITIES AND UTILITIES.
13. REMOVE AND LEGALLY DISPOSE OF ALL CONTENTS OF THE STRUCTURES TO BE DEMOLISHED UNDER THIS CONTRACT, INCLUDING, BUT NOT NECESSARILY LIMITED TO: FURNISHINGS, MECHANICAL EQUIPMENT, PLUMBING FIXTURES, FURNITURE, CABINETS, AND SUCH.
14. PURGE, EVACUATE AND PROPERLY DISPOSE OF ALL RESIDUAL OILS, GASES, ETC. FROM THE MECHANICAL AND PLUMBING SYSTEMS AND ALL OTHER SIMILAR SYSTEMS OF THE STRUCTURES TO BE DEMOLISHED UNDER THIS CONTRACT IN ACCORDANCE WITH NJDEP AND LOCAL REQUIREMENTS.
15. DISCONNECT AND CAP/TERMINATE ALL UTILITY SERVICES, E.G. WATER, SEWER, GAS, ELECTRIC, TELEPHONE, ETC., IN ACCORDANCE WITH ALL LOCAL REGULATIONS AND UTILITY SERVICE COMPANY REQUIREMENTS. WHERE NECESSARY, THE WORK SHALL INCLUDE THE RESTORATION OF PAVEMENT AND CURBING IMPACTED BY UTILITY REMOVAL AND DEMOLITION WORK. ALL EXISTING UTILITIES SHALL BE FIELD-VERIFIED AND ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND OWNER'S ENGINEER.
16. OBTAIN AND PAY FOR TEMPORARY UTILITY (WATER, ELECTRIC, TELEPHONE) AND OTHER SERVICES NECESSARY FOR PROPER EXECUTION OF THE DEMOLITION WORK.
17. REMOVE AND LEGALLY DISPOSE OF OFF-SITE HAZARDOUS MATERIALS (LIGHTING/TRANSFORMER BALLASTS, FLUORESCENT LIGHTS, ETC.) FROM THE STRUCTURES TO BE DEMOLISHED.
18. REMOVE AND DISPOSE OF OFF-SITE ALL EXISTING SITE FEATURES WITHIN THE CONTRACT LIMIT LINE, INCLUDING BUT NOT LIMITED TO ALL FENCING, GATES, STAIRWAYS, RAILINGS, AND FREE-STANDING ITEMS (E.G. BOLLARDS, SIGNS, SIGN POSTS, WALLS, ETC.) WITHIN SITE AREAS, EXCEPT THOSE INDICATED TO REMAIN ON THE CONTRACT DRAWINGS.
19. COMPLETELY DEMOLISH AND RECYCLE, TO THE GREATEST EXTENT POSSIBLE, ALL UNCONTAMINATED CONCRETE/MASONRY DEBRIS GENERATED FROM THE STRUCTURES TO BE DEMOLISHED.
20. CONCRETE AND MASONRY STRUCTURES MATERIALS NOT SUSPECTED TO CONTAIN CONTAMINANTS AT CONCENTRATIONS EXCEEDING NJDEP REMEDIATION STANDARDS SHALL BE DEMOLISHED, CRUSHED AND SCREENED IN ORDER TO BE USED AS BACKFILL MATERIAL, AS DETAILED IN THE SPECIFICATIONS, PROVIDED THE MATERIAL IS ENVIRONMENTALLY ACCEPTABLE
21. DEMOLISH AND COMPLETELY REMOVE ALL UTILITIES SERVICING THE STRUCTURES TO BE REMOVED INCLUDING STORM SEWER LINES, TELEPHONE, ELECTRIC, GAS, DOMESTIC WATER SERVICE AND SANITARY SEWER LINES AND APPURTENANCES INCLUDING BUT NOT LIMITED TO PITS, SANITARY MANHOLES, PIPING, ETC., EXCEPT THOSE INDICATED TO REMAIN ON THE CONTRACT DRAWINGS.
22. SECURE THE WORK SITE FOR THE DURATION OF THE PROJECT ON AN AROUND-THE-CLOCK BASIS TO PREVENT UNAUTHORIZED ENTRY INTO THE SITE.
23. PROVIDE THE REQUIRED INSPECTION, TESTING AND PROGRESS REPORTS TO THE OWNER.
24. IF REQUIRED, ALL PROPOSED TRAFFIC CONTROL SIGNAGE NOTED MUST CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR SIZE, COLOR, LEGEND, AND PLACEMENT.

GRADING AND DRAINAGE NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

2. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. SEE SHEET CE101 FOR EROSION CONTROL MEASURES.

2. SET PIPES AND STRUCTURES TO ELEVATIONS AND GRADES SHOWN ON THE DRAWINGS.

3. MINIMUM DEPTH OF COVER FOR ALL STORM SEWER PIPES IS 2 FEET OR AS SPECIFIED BY THE MANUFACTURER.

4. ALL CONCRETE DRAINAGE STRUCTURES SHALL BE PRECAST IN ACCORDANCE WITH NJDOT SPECIFICATIONS, UNLESS OTHERWISE NOTED.

5. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.

6. ALL CONCRETE DRAINAGE STRUCTURES SHALL HAVE NO SUMP AND SHALL BE PLACED ON 6 INCHES OF COURSE AGGREGATE.

7. CATCH BASIN AND MANHOLE STRUCTURES ARE NOT SHOWN TO SCALE.

8. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS AND SIZES OF ALL ROOF LEADERS AND COORDINATE WITH PROPOSED STORMWATER SYSTEM PRIOR TO INSTALLATION.

9. ALL ROOF DRAINS TO BUILDING SHALL BE BROUGHT TO FIVE FEET OUTSIDE THE BUILDING LIMITS BY THE SITE CONTRACTOR AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF PIPING WITHIN FIVE FEET OF BUILDING AND CONNECTION OF BUILDING LATERALS TO SITE DRAINAGE SYSTEM.

12. CLEANOUTS SHALL BE PROVIDED FLUSH AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.

13. CONTRACTOR SHALL PROVIDE 24"x24"x8" THICK CONCRETE APRON AT ALL CLEANOUTS OUTSIDE OF BUILDING UNLESS MUNICIPAL REQUIREMENTS DICTATE OTHERWISE.

14. THE CONTRACTOR SHALL FLUSH AND CLEAN ALL EXISTING ON-SITE STORM PIPING AND STRUCTURES THAT ARE TO REMAIN WITHIN THE LIMITS OF WORK OR AS INDICATED ON THE PLANS.

15. COMPACTION CRITERIA FOR FILL PLACED IN THE FOLLOWING AREAS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM PERCENTAGE OF MAXIMUM MODIFIED PROCTOR DRY DENSITY AS DETERMINED BY ASTM D-1557 USED ON REPRESENTATIVE SOIL SAMPLES, UNLESS MORE STRINGENT CRITERIA IS GIVEN ELSEWHERE (INCLUDING GEOTECHNICAL REPORT):

FILL AREA	% OF MAXIMUM MODIFIED PROCTOR DRY DENSITY
BUILDING FOOTINGS	95%
BUILDING FOOTPRINT, PAVEMENT, SIDEWALKS, AND ROADWAYS	95%
LANDSCAPED AREAS	92%
TRENCH BACKFILL	95%

16. PROTECT SUBGRADE FROM EXCESSIVE WHEEL LOADING DURING CONSTRUCTION, INCLUDING CONCRETE TRUCKS AND DUMP TRUCKS.

17. REMOVE AREAS OF FINISHED SUBGRADE FOUND TO BE UNSATISFACTORY BY OWNER'S ENGINEER AND REPLACE IN A MANNER THAT WILL COMPLY WITH COMPACTION REQUIREMENTS BY USE OF MATERIAL EQUAL TO OR BETTER THAN BEST SUBGRADE MATERIAL ON SITE. SURFACE OF SUBGRADE AFTER COMPACTION SHALL BE HARD, UNIFORM, SMOOTH, STABLE, AND TRUE TO GRADE AND CROSS-SECTION AND SHALL NOT RUT OR WEAVE WHEN LOADED WITH A FULL DUMP TRUCK.

18. STORMWATER PIPES CONFLICTING WITH THE PROPOSED SITE IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

19. ALL PROPOSED STORM DRAINAGE PIPING SHALL BE TEMPORARILY PROTECTED WITH REQUIRED MINIMUM COVER FOR CONSTRUCTION.

20. ALL PROPOSED STORM DRAINAGE TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.

21. PIPE LENGTHS SHOWN REPRESENT PLANAR LENGTHS MEASURED FROM CENTER-OF-STRUCTURE TO CENTER-OF-STRUCTURE.

22. PLAN AND PROFILE STRUCTURES ARE SYMBOLS THAT ARE PROVIDED FOR REFERENCE, AND ARE NOT TO BE USED AS THE BASIS FOR CONSTRUCTION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL DRAINAGE, SANITARY, AND UTILITY STRUCTURES TO ENGINEER.

23. HDPE PIPING SHALL CONFORM TO AASHTO M 294 AND IS TYPE S (SMOOTH INTERIOR WITH ANNULAR CORRUGATIONS) WITH GASKETED WATER-TIGHT JOINTS.

24. RCP PIPING SHALL CONFORM TO A.S.T.M SPECIFICATIONS C76-81 CLASS V.

25. ABBREVIATIONS:
BC = BOTTOM OF CURB
BW = LAWN ELEVATION AT BOTTOM OF WALL
CB = CATCH BASIN
CO = CLEANOUT
DIP = DUCTILE IRON PIPE
GR = GRATE ELEVATION
HDPE = HIGH DENSITY POLYETHYLENE
INV = INVERT
LF = LINEAR FEET
LP = LOW POINT
MH = MANHOLE
RCP = REINFORCED CONCRETE PIPE
RIM = RIM ELEVATION
RL = ROOF LEADER
TC = TOP OF CURB
TW = LAWN ELEVATION AT TOP OF WALL

UTILITY NOTES

GENERAL

1. SEE ARCHITECTURAL & MEP DRAWINGS FOR SERVICE LATERAL SIZING AND CONNECTION LOCATIONS.
2. ALL SITE UTILITY CONSTRUCTION SHALL BE COORDINATED WITH STORMWATER AND ROOF LEADER DRAINAGE CONSTRUCTION (REFER TO DRAWINGS CG110 THROUGH CG114). RESOLUTION OF ANY POTENTIAL UTILITY CONFLICTS TO BE DETERMINED IN THE FIELD.
3. ALL UTILITY CONSTRUCTION TO BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES AND SHALL CONFORM WITH THEIR REQUIREMENTS.
4. CONCRETE ENCASEMENT WILL BE REQUIRED AT UTILITY CROSSINGS WHERE VERTICAL AND/OR HORIZONTAL SEPARATION DOES NOT MEET APPLICABLE STANDARDS.
5. IT IS SPECIFICALLY NOTED THAT INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATION, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL SPECIFICALLY REVIEW ALL PLANS, PROFILES, AND ANY INFORMATION/DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING REQUESTING CLARIFICATION PRIOR TO CONSTRUCTION.
6. SITE DISTURBANCE SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND ALL GOVERNING AGENCIES HAVE BEEN NOTIFIED BY THE CONTRACTOR.
7. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL NEW JERSEY ONE-CALL AND THE APPROPRIATE UTILITY COMPANIES TO REQUEST EXACT FIELD-LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.
8. THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
9. CONTRACTOR SHALL REFER TO ARCHITECTURAL & MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRY POINTS, INCLUDING SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ROOF LEADERS, ELECTRICAL, TELEPHONE, AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO LOCATION AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
10. ALL REQUIRED UTILITIES SERVING THE BUILDINGS SHALL BE COORDINATED AND CONSTRUCTED TO WITHIN FIVE FEET OF EACH BUILDING UTILITY ENTRANCE AND PLUGGED AND MARKED UNLESS OTHERWISE NOTED. ANY NECESSARY EXTENSIONS, RELOCATIONS, OR CORRECTIONS WITHIN FIVE FEET OF THE BUILDING NECESSARY TO COMPLETE CONNECTION OF UTILITIES TO THE BUILDINGS SHALL BE MADE BY THE BUILDING CONTRACTOR. THE BUILDING CONTRACTOR SHALL MAKE THE FINAL CONNECTION BETWEEN THE BUILDING SYSTEMS AND THE SITE LATERALS.
11. THE CONTRACTOR MUST NOTIFY THE BOROUGH OF NEW PROVIDENCE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION, UNLESS FURTHER ADVANCE NOTICE IS REQUIRED BY THE TOWNSHIP.
12. UNLESS OTHERWISE NOTED, ALL PROPOSED UTILITIES SHALL BE UNDERGROUND.
13. ALL ABANDONED UTILITY LINES AND STRUCTURES SHALL BE COMPLETELY REMOVED AND CAPPED/PLUGGED AT THE MAIN IN ACCORDANCE WITH THE UTILITY COMPANY OR LOCAL AUTHORITY REQUIREMENTS.
14. TRENCH DEPTH REQUIREMENTS MEASURED FROM FINISHED GRADE OR PAVED SURFACE SHALL MEET THE FOLLOWING REQUIREMENTS WHEN NOT SPECIFIED BY GOVERNING CODES, ORDINANCES, OR AUTHORITIES.
    - A. WATER MAINS: MINIMUM 4-FT OF COVER SHALL BE PROVIDED OVER THE PROPOSED WATER MAINS.
    - B. SANITARY SEWER: DEPTHS, ELEVATIONS, AND GRADES AS INDICATED ON DRAWINGS.
    - C. ELECTRICAL CONDUITS: 24 INCHES MINIMUM TO TOP OF CONDUIT OR AS SPECIFIED BY THE UTILITY COMPANY REQUIREMENTS.
    - D. TV CONDUITS: 18 INCHES MINIMUM TO TOP OF CONDUIT OR AS REQUIRED BY THE UTILITY COMPANY.
    - E. TELEPHONE CONDUITS: 18 INCHES MINIMUM TO TOP OF CONDUIT OR AS REQUIRED BY THE UTILITY COMPANY.
    - F. GAS MAINS AND SERVICE: 36 INCHES MINIMUM TO TOP OF PIPE OR AS REQUIRED BY THE UTILITY COMPANY.

WATER SUPPLY NOTES:

1. ALL WATER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY REQUIREMENTS.
2. ALL EXISTING WATER LATERALS WITHIN THE SITE FROM FORMER BUILDINGS SHALL BE TERMINATED AT THE MAIN AND CURB SHUT-OFFS SHALL BE REMOVED. EXISTING WATER SERVICE LINES SHALL BE PHYSICALLY REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL NOTIFY OWNER'S ENGINEER PRIOR TO REMOVAL OF ANY WATER LINE.
3. THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING WATER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
4. ALL WATER MAINS SHALL BE CLASS 52, CEMENT-LINED DUCTILE IRON PIPE WITH RUBBER RING JOINT, BELL AND SPIGOT TYPE.
5. ALL FITTINGS UP TO AND INCLUDING 12-INCH DIAMETER SHALL BE RATED FOR 250 PSI OR GREATER AND ALL FITTINGS OVER 16-INCH DIAMETER SHALL BE RATED FOR 150 PSI.
6. THE MINIMUM SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER MAIN IS TEN FEET (10') HORIZONTAL OR EIGHTEEN INCHES (18") VERTICAL. CONCRETE PIPE ENCASEMENTS WILL BE REQUIRED WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED. LATERAL SEPARATION SHALL BE AS REQUIRED BY LOCAL CODE.
7. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, ELBOWS, PLUGS, AND FIRE HYDRANTS.
8. ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE AND SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
9. ALL GATE VALVES SHALL OPEN BY TURNING IN A COUNTER-CLOCKWISE (LEFT) DIRECTION AND SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
10. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
11. BACKFLOW PREVENTION DEVICES FOR DOMESTIC AND FIRE SERVICE CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
12. ALL NEW WATER LINES SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C600, OR LOCAL REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
13. ALL NEW WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651, OR LOCAL REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
14. CONTRACTOR SHALL NOTIFY NEW JERSEY AMERICAN WATER AND BOROUGH OF NEW PROVIDENCE AT LEAST 72 HOURS PRIOR TO CONNECTING TO EXISTING MAINS IN CHANLON ROAD AND FLORAL AVENUE.

SANITARY SEWER NOTES:

1. ALL SEWER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL AUTHORITY.
2. WITH THE EXCEPTION OF THE TIE-IN SEWER, EXISTING ON-SITE SANITARY SEWER LINES SERVICING THE SITE SHALL BE PHYSICALLY REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR TO NOTIFY OWNER'S ENGINEER PRIOR TO REMOVAL OF ANY SEWER PIPE.
3. THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING SANITARY SEWER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
4. THE SEWER CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER LINES TO WITHIN 5 FEET OF THE PROPOSED BUILDING LIMITS WHERE THE LINE SHALL BE PLUGGED AND MARKED.
5. ALL MATERIALS USED AND ALL CONSTRUCTION METHODS EMPLOYED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR THE GOVERNING LOCAL MUNICIPAL UTILITY AUTHORITY.
6. MATERIAL OF GRAVITY SANITARY PIPES SHALL BE SDR 35 PVC. ALL CONSTRUCTION METHODS EMPLOYED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR THE GOVERNING LOCAL MUNICIPAL UTILITY AUTHORITY.
7. WHERE LESS THAN 18" OF VERTICAL AND 10' OF HORIZONTAL CLEARANCE IS PROVIDED BETWEEN THE SANITARY SEWER AND WATER MAINS, THE SEWER SHALL BE ENCASED IN 6 INCHES OF 4,500 PSI CONCRETE ON ALL FOUR SIDES AND SHALL EXTEND 10 FEET BEYOND CROSSING IN BOTH DIRECTIONS. DUCTILE IRON PIPE MAY BE UTILIZED IN PLACE OF CONCRETE ENCASEMENT PER NJAC 7:14A 23.6.b.4.
8. WHEN SANITARY LATERALS TIE DIRECTLY INTO MANHOLES, AN APPROPRIATE OPENING WITH AN "A-LOK" OR APPROVED EQUAL JOINT SHALL BE PRECAST IN THE MANHOLE WALL. ALL MAINS SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LOW PRESSURE AIR TEST METHOD OR AS OTHERWISE SPECIFIED BY LOCAL AUTHORITY OR PROJECT SPECIFICATIONS.

ELECTRIC, TELEPHONE, AND GAS NOTES:

1. ELECTRIC, TELEPHONE AND GAS LOCATIONS SHOWN ON PLAN ARE PRELIMINARY. FINAL LOCATION SHALL BE COORDINATED WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO COORDINATE GAS MAIN, ELECTRIC, AND TELEPHONE INSTALLATION WITH APPROPRIATE UTILITY COMPANIES.
3. ALL GAS WORK AND OTHER ASSOCIATED APPURTENANCES SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY, STATE, AND FEDERAL GUIDELINES AND REQUIREMENTS.
4. ALL ELECTRICAL WORK, TRANSFORMER PAD, AND ASSOCIATED APPURTENANCES SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL, COUNTY, STATE, AND FEDERAL GUIDELINES AND REQUIREMENTS.

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

GENERAL NOTES

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

Drawing No.
CS003

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TITLE EXCEPTIONS

THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE FOLLOWING FACTS AS REVEALED BY THE HEREON REFERENCED INFORMATION. THE INFORMATION SHOWN HEREON DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT.

TITLE REPORT
BY: MADISON TITLE AGENCY, LLC
OFFICE FILE NUMBER: MTANJ–208586

11 ALL CONDITIONS, MATTERS, EASEMENTS AND SETBACK LINES AS SET FORTH ON FILED MAP NO. 313–23 –– PLOTTED

14 SUBJECT TO DEED OF EASEMENT IN FAVOR OF THE NEW YORK AND NEW JERSEY TELEPHONE COMPANY AS DESCRIBED AND DEFINED BY INSTRUMENT RECORDED IN DEED BOOK 778 PAGE 399 AND IN DEED BOOK 802 PAGE 314 –– NOT PLOTTABLE

15 SUBJECT TO EASEMENT IN FAVOR OF NEW YORK TELEPHONE COMPANY AS DESCRIBED AND DEFINED BY INSTRUMENT RECORDED IN DEED BOOK 864 PAGE 7 –– NOT PLOTTABLE

16 SUBJECT TO EASEMENT IN FAVOR OF NEW JERSEY BELL TELEPHONE COMPANY AND JERSEY CENTRAL POWER & LIGHT COMPANY AS DESCRIBED AND DEFINED BY INSTRUMENT RECORDED IN BOOK 2367 PAGE 80 AND IN BOOK 2392 PAGE 27 – NOT PLOTTABLE

17 SUBJECT TO RIGHT OF WAY AGREEMENT IN FAVOR OF NEW JERSEY BELL TELEPHONE COMPANY AND JERSEY CENTRAL POWER & LIGHT COMPANY AS DESCRIBED AND DEFINED BY INSTRUMENT RECORDED IN DEED BOOK 2803 PAGE 38 AND DEED BOOK 2807 PAGE 382 –– NOT PLOTTABLE

18 SUBJECT TO GRANT OF EASEMENTS IN FAVOR OF JERSEY CENTRAL POWER & LIGHT COMPANY AS CONTAINED AND DESCRIBED BY INSTRUMENT RECORDED IN DEED BOOK 3171 PAGE 442 –– PLOTTED

19 SUBJECT TO TERMS CONDITIONS AND PROVISIONS CONTAINED IN DEED TO THE TOWNSHIP OF HOLMDEL AS DESCRIBED AND DEFINED BY INSTRUMENT RECORDED IN DEED BOOK 3219 PAGE 161 –– OFFSITE

20 SUBJECT TO CONDITIONS OF STREAM ENCROACHMENT PERMIT NO. 8847 IN DEED BOOK 2 PAGE 73 –– NOT PLOTTABLE

21 SUBJECT TO NON–EXCLUSIVE EASEMENT AND RIGHT OF WAY AGREEMENT IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY AS DEFINED BY INSTRUMENT RECORDED IN DEED BOOK 5122 PAGE 713 –– PLOTTED

22 SUBJECT TO GRANT OF EASEMENT IN PERPETUITY IN FAVOR OF NEW JERSEY BELL TELEPHONE COMPANY AS CONTAINED AND DESCRIBED BY INSTRUMENT RECORDED IN DEED BOOK 5179 PAGE 880 –– OFFSITE

23 SUBJECT TO ACKNOWLEDGEMENT OF DEVELOPMENT FEES FOR MOUNT LAUREL CONTRIBUTION AS SET FORTH IN DEED BOOK 5868 PAGE 945 –– NOT PLOTTABLE

24 SUBJECT TO EASEMENT AND RIGHT OF WAY AGREEMENT IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY AS DEFINED BY INSTRUMENT RECORDED IN DEED BOOK 5879 PAGE 538 –– PLOTTED

25 SUBJECT TO GRANT OF CONSERVATION RESTRICTION/ EASEMENT AS SET FORTH IN OR BOOK 8854 PAGE 7441 –– PLOTTED

26 SUBJECT TO STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION STREAM ENCROACHMENT FRESHWATER WETLANDS GENERAL PERMIT AS SET FORTH IN OR BOOK 8220 PAGE 2519 –– NOT PLOTTABLE

27 SUBJECT TO STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION STREAM ENCROACHMENT FRESHWATER WETLANDS GENERAL PERMIT AS SET FORTH IN OR BOOK 8609 PAGE 6692 –– NOT PLOTTABLE

28 SUBJECT TO STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION STREAM ENCROACHMENT FRESHWATER WETLANDS GENERAL PERMIT AS SET FORTH IN OR BOOK 8678 PAGE 8405 –– NOT PLOTTABLE

29 SUBJECT TO STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION STREAM ENCROACHMENT FRESHWATER WETLANDS GENERAL PERMIT AS SET FORTH IN GR BOOK 8815 PAGE 9691 –– NOT PLOTTABLE

30 SUBJECT TO STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION REMEDIATION AGREEMENT AS SET FORTH IN OR BOOK 8682 PAGE 9104 –– NOT PLOTTABLE

31 CONDITIONS, RESTRICTIONS, COVENANTS AND AGREEMENTS IN DECLARATION MADE BY SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL, L.P. DATED SEPTEMBER 17, 2014, RECORDED SEPTEMBER 19, 2014, IN MONMOUTH COUNTY IN BOOK 9081, PAGE 9161 AND ANY AMENDMENTS THERETO,

32 AGREEMENT MADE BY AND BETWEEN SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL LLC, OCEANFIRST BANK AND BANK OF THE WEST RECORDED ON SEPTEMBER 7, 2017 IN BOOK 9246, PAGE 9189

33 CONDITIONS, RESTRICTIONS, COVENANTS AND AGREEMENTS IN DECLARATION MADE BY SOMERSET MEZZ HOLDINGS LP AND SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL, L.P. DATED APRIL 8, 2022, RECORDED APRIL 27, 2022, IN MONMOUTH COUNTY IN BOOK 9592, PAGE 4228 AND ANY AMENDMENTS THERETO

34 FOR INFORMATION ONLY: PERMIT RECORDED ON AUGUST 14, 2023 IN BOOK 9655, PAGE 9401.

35 LEASE BY AND BETWEEN SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL LP AND JERSEY CENTRAL POWER & LIGHT COMPANY AS EVIDENCED BY SNDA DATED OCTOBER 31, 2016 AND RECORDED ON FEBRUARY 2, 2017 IN BOOK 9211, PAGE 4665.

36 LEASE BY AND BETWEEN SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL LP AND THE GUARDIAN LIFE INSURANCE COMPANY OF AMERICA AS EVIDENCED BY SNDA DATED MARCH 23, 2017 AND RECORDED ON MAY 2, 2017 IN BOOK 9225, PAGE 3372.

37 LEASE BY AND BETWEEN SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL LP AND ZAIS GROUP LLC AS EVIDENCED BY SNDA DATED AUGUST 31, 2017 AND RECORDED ON OCTOBER 5, 2017 IN BOOK 9252, PAGE 3762.

38 LEASE BY AND BETWEEN SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL LP AND BELL WORKS MASTER TENANT LLC AS EVIDENCED BY SNDA DATED DECEMBER 14, 2017 AND RECORDED ON JANUARY 9, 2018 IN BOOK 9266, PAGE 7684.

AMENDMENT OF SAID LEASE WAS RECORDED ON APTIL 27, 2022 IN BOOK 9592, PAGE 4255.

39 LEASE BY AND BETWEEN SOMERSET HOLMDEL DEVELOPMENT I URBAN RENEWAL LP AND BELL WORKS MASTER TENANT LLC AS EVIDENCED BY SNDA DATED AUGUST 31, 2018 AND RECORDED ON SEPTEMBER 6, 2018 IN BOOK 9310, PAGE 7324.

P–1 UTILITY EASEMENTS AS SET FORTH IN BOOK OR9081 PAGE 9175. SHOWN ON SURVEY.

P–4 EASEMENTS AS PER BOOK OR9039 PAGE 9449. SHOWN ON SURVEY.

P–5 EASEMENTS AS PER BOOK OR9076 PAGE 6415. SHOWN ON SURVEY.

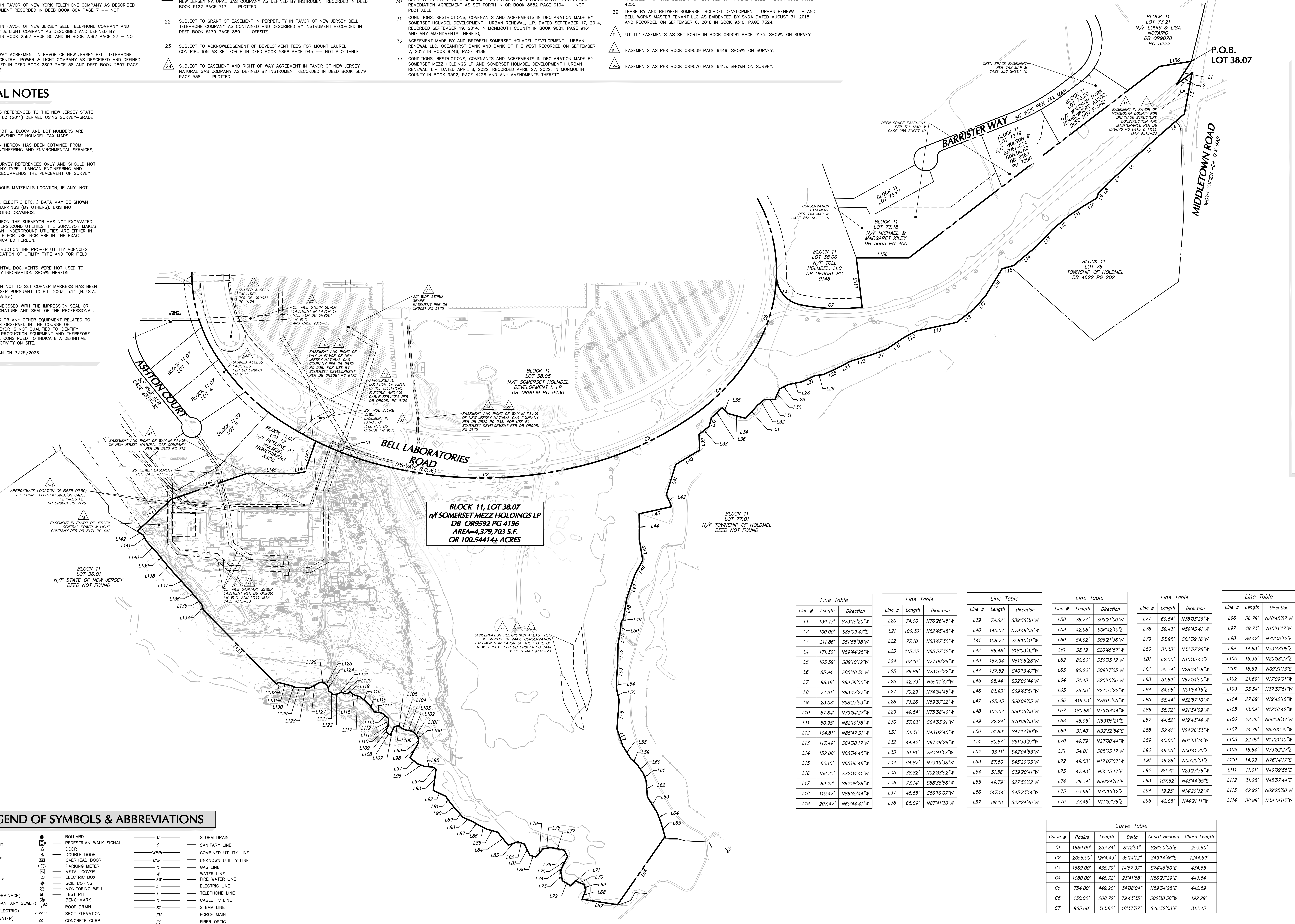
GENERAL NOTES

1. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011) DERIVED USING SURVEY–GRADE GNSS EQUIPMENT.
2. STREET NAMES, RIGHT OF WAY WIDTHS, BLOCK AND LOT NUMBERS ARE SHOWN IN ACCORDANCE WITH TOWNSHIP OF HOLMDEL TAX MAPS.
3. PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. DURING 2026.
4. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND SHOULD NOT BE USED IN CONSTRUCTION OF ANY TYPE. LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RECOMMENDS THE PLACEMENT OF SURVEY MARKERS.
5. ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
6. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC...) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS,

   UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.

   PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS

   UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON
7. A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM THE ULTIMATE USER PURSUANT TO P.L. 2003, c.14 (N.J.S.A. 45:8–36.3) AND N.J.A.C. 13:40–5.1(d)
8. THIS PLAN NOT VALID UNLESS EMBOSSED WITH THE IMPRESSION SEAL OR ENCRYPTED WITH THE DIGITAL SIGNATURE AND SEAL OF THE PROFESSIONAL.
9. NO EVIDENCE OF DRILLING, WELLS OR ANY OTHER EQUIPMENT RELATED TO OIL OR MINERAL EXTRACTION WAS OBSERVED IN THE COURSE OF CONDUCTING THIS SURVEY. SURVEYOR IS NOT QUALIFIED TO IDENTIFY MINERAL OR OIL EXTRACTION OR PRODUCTION EQUIPMENT AND THEREFORE THIS STATEMENT SHOULD NOT BE CONSTRUED TO INDICATE A DEFINITIVE LACK OF SUCH EQUIPMENT OR ACTIVITY ON SITE.
10. WETLANDS DELINEATED BY LANGAN ON 3/25/2026.


BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB OR9592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES
P.O.B.
LOT 38.07
BLOCK 11
LOT 73.21
N/F LOUIS & LISA
NOTARIO
DB OR9078
PG 5222
BARRISTER WAY
50' WIDE PER TAX MAP
MIDDLETOWN ROAD
WIDTH VARIES PER TAX MAP
OPEN SPACE EASEMENT PER TAX MAP & CASE 256 SHEET 10
BLOCK 11
LOT 73.20
N/F WALDRON PARK
HOMEOWNERS ASSOC.
DEED NOT FOUND
BLOCK 11
LOT 73.19
N/F WOLSON &
BENEDICTA
GONZALEZ
DB 8869
PG 7090
BLOCK 11
LOT 73.17
BLOCK 11
LOT 73.18
N/F MICHAEL &
MARGARET KILEY
DB 5665 PG 400
CONSERVATION EASEMENT PER TAX MAP & CASE 256 SHEET 10
EASEMENT IN FAVOR OF MONMOUTH COUNTY FOR DRAINAGE STRUCTURE CONSTRUCTION AND MAINTENANCE PER DB OR9076 PG 6415 & FILED MAP #313–23
BLOCK 11
LOT 38.06
N/F TOLL
HOLMDEL, LLC
DB OR9081 PG
9146
BLOCK 11
LOT 76
TOWNSHIP OF HOLDMEL
DB 4622 PG 202
BLOCK 11
LOT 38.05
N/F SOMERSET HOLMDEL
DEVELOPMENT I, LP
DB OR9039 PG 9430
BELL LABORATORIES
ROAD
(PRIVATE R.O.W.)
ASHTON COURT
50' WIDE PER CASE #315–32
BLOCK 11.07 LOT 3
BLOCK 11.07 LOT 4
BLOCK 11.07 LOT 5
BLOCK 11.07
LOT 12
n/f RESERVE AT
HOLMDEL
HOMEOWNERS
ASOC
SHARED ACCESS FACILITIES PER DB OR9081 PG 9175
25' WIDE STORM SEWER EASEMENT IN FAVOR OF TOLL PER DB OR9081 PG 9175 AND CASE #315–33
25' WIDE STORM SEWER EASEMENT PER DB OR9081 PG 9175
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5879 PG 538; FOR USE BY SOMERSET DEVELOPMENT PER DB OR9081 PG 9175
APPROXIMATE LOCATION OF FIBER OPTIC, TELEPHONE, ELECTRIC AND/OR CABLE SERVICES PER DB OR9081 PG 9175
25' WIDE STORM SEWER EASEMENT IN FAVOR OF TOLL PER DB OR9081 PG 9175
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5122 PG 713
25' SEWER EASEMENT PER CASE #315–33
APPROXIMATE LOCATION OF FIBER OPTIC, TELEPHONE, ELECTRIC AND/OR CABLE SERVICES PER DB OR9081 PG 9175
EASEMENT IN FAVOR OF JERSEY CENTRAL POWER & LIGHT COMPANY PER DB 3171 PG 442
25' WIDE SANITARY SEWER EASEMENT PER DB OR9081 PG 9175 AND FILED MAP CASE #315–33
BLOCK 11
LOT 36.01
N/F STATE OF NEW JERSEY
DEED NOT FOUND
BLOCK 11
LOT 77.01
N/F TOWNSHIP OF HOLDMEL
DEED NOT FOUND
CONSERVATION RESTRICTION AREAS PER DB OR9039 PG 9449; CONSERVATION EASEMENTS IN FAVOR OF THE STATE OF NEW JERSEY PER DB OR8854 PG 7441 & FILED MAP #313–23
11
18
21
22
24
25
34
P–1
P–4
P–5
C1
C2
C3
C4
C5
C6
C7

200 0 100 200
SCALE: 1"= 200'

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:
GOOGLE MAPS

MAP REFERENCES

THIS SURVEY IS BASED UPON PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, AND THE FOLLOWING REFERENCES:

A. MAP ENTITLED "MAJOR SUBDIVISION PLAN (PROPOSED CONFIGURATION), HOLMDEL REDEVELOPMENT, BLOCK NO. 11, LOT NO. 38, 38.02, 73.01, 73.02, 73.03 & 73.04, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONEMENTAL SERVICES, INC., DATED 12/31/2012, LAST REVISED 5/23/2014, AND FILED IN THE MONMOUTH COUNTY CLERK'S OFFICE ON 9/11/2014 AS CASE 313, SHEET 23.

B. MAP ENTITLED "PENELOPE PARK, HOLMDEL TOWNSHIP, MON. COUNTY, N.J.", PREPARED BY ARTHUR SWIFT DATED 12/28/1951, LAST REVISED 6/10/1952, AND FILED IN THE MONMOUTH COUNTY CLERK'S OFFICE ON 9/22/1952 AS CASE 12, SHEET 29.

C. SET OF PLANS ENTITLED "PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN, THE RESERVE AT HOLMDEL, BLOCK NO. 11, LOT NO. 38.03, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY LANGAN, DATED 4/01/2014, LAST REVISED 10/20/2015, CONSISTING OF SEVEN SHEETS FILED IN THE MONMOUTH COUNTY CLERK'S OFFICE ON 2/26/2016 AS CASE 315, SHEET 32, CASE 315 SHEET 33, CASE 315 SHEET 34, CASE 315 SHEET 35, CASE 316 SHEET 1, CASE 316 SHEET 2 AND CASE 316 SHEET 3.

D. MAP ENTITLED "SURVEY OF PROPERTY PREPARED FOR THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION GREEN ACRES PARCEL, SITUATED IN HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY ABBINGTON ASSOCIATES, INC., DATED 5/4/2001, LAST REVISED 11/2/2001.

E. MAP ENTITLED "ALTA/ACSM LAND TITLE SURVEY, HOLMDEL REDEVELOPMENT, BLOCK NO. 11, LOT NO. 38, 38.02, 73.01, 73.02, 73.03 & 73.04, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY LANGAN, DATED 12/31/2012.

F. THE TAX MAPS OF THE TOWNSHIP OF HOLMDEL, MONMOUTH COUNTY, NEW JERSEY, SHEET NOS. 10, 11, 11.01, 11.02, 12, 13 & 14.

G. PRO FORMA PREPARED BY MADISON TITLE AGENCY, LLC, AGENTS FOR OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, FILE NO. MTANJ–174164, WITH A COMMITMENT DATE OF JANUARY 28, 2022.

H. MAP ENTITLED "FINAL PLAT, BROOKSIDE, SITUATED IN HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY" PREPARED BY ABBINGTON ASSOCIATES, INC. FILED IN THE MONMOUTH COUNTY CLERKS' OFFICE ON NOVEMBER 2, 1995 AS CASE NUMBER 256–10.

I. MAP TITLED "OCEAN SIMULATING FACILITY, PLOT & GRADING PLANS & EXTERIOR DETAILS, HOLMDEL, NJ" PREPARED BY BELL TELEPHONE LABORATORIES, HOLMDEL, N.J.

J. MAP TITLED " UTILITY EXHIBIT, LOTS 38, 38.02, 73.01, 73.02, 73.03, & 73.04, BLOCK 11, LUCENT TECHNOLOGIES, SITUATED IN TOWNSHIP OF HOLMDEL, MONMOUTH COUNTY, NEW JERSEY" PREPARED BY LGA ENGINEERING INC.

K. MAP TITLED "ELECTRIC SITE PLAN DUCT BANK ROUTING, HOLDMDEL EMERGENCY GENERATOR UPGRADE", PREPARED BY AT&T BELL LABORATORIES. DATED 6–30–89, LAST REVISED 4–17–92.

L. MAP TITLED "HOLMDEL CITY WATER SITE PLAN", PREPARED BY LUCENT TECHNOLOGIES, BELL LABORATORIES. DATED 12–8–89, LAST REVISED 11–25–96.

M. MAP TITLED "FIRE PROTECTION OUTSIDE LOOP SITE PLAN", PREPARED BY AT&T BELL LABORATORIES. DATED 5/22/90, LAST REVISED 9/2/93.

N. MAP TITLED "HOLMDEL WELL WATER SITE PLAN", PREPARED BY LUCENT TECHNOLOGIES, BELL LABORATORIES. DATED 9/3/93.

Project No. 102054601

Line Table

Line #	Length	Direction
L1	139.43'	S73°45'20"W
L2	100.00'	S86°09'47"E
L3	211.86'	S51°58'38"W
L4	171.30'	N89°44'28"W
L5	163.59'	S89°10'12"W
L6	85.94'	S85°48'51"W
L7	98.18'	S89°36'50"W
L8	74.91'	S83°47'27"W
L9	23.08'	S58°23'53"W
L10	87.64'	N79°54'27"W
L11	80.95'	N82°19'38"W
L12	104.81'	N88°47'31"W
L13	117.49'	S84°38'17"W
L14	152.08'	N88°34'45"W
L15	60.15'	N65°06'48"W
L16	158.25'	S72°34'41"W
L17	89.22'	S82°38'28"W
L18	110.47'	N86°45'44"W
L19	207.47'	N60°44'41"W
L20	74.00'	N76°26'45"W
L21	106.30'	N82°45'48"W
L22	77.10'	N68°47'30"W
L23	115.25'	N65°57'32"W
L24	62.16'	N77°00'29"W
L25	86.86'	N73°53'22"W
L26	42.73'	N55°11'47"W
L27	70.29'	N74°54'45"W
L28	73.26'	N59°57'22"W
L29	49.54'	N75°58'40"W
L30	57.83'	S64°53'21"W
L31	51.31'	N48°02'45"W
L32	44.42'	N87°49'29"W
L33	91.81'	S83°41'17"W
L34	94.87'	N33°19'38"W
L35	38.82'	N02°38'52"W
L36	73.14'	S88°38'56"W
L37	45.55'	S56°16'07"W
L38	65.09'	N87°41'30"W
L39	79.62'	S39°56'30"W
L40	140.07'	N79°49'56"W
L41	158.74'	S58°15'31"W
L42	66.46'	S18°03'32"W
L43	167.94'	N61°08'28"W
L44	137.52'	S40°13'47"W
L45	98.44'	S32°00'44"W
L46	83.93'	S69°43'51"W
L47	125.43'	S60°09'53"W
L48	102.07'	S50°36'58"W
L49	22.24'	S70°08'53"W
L50	51.63'	S47°14'00"W
L51	60.84'	S51°33'27"W
L52	93.11'	S42°04'53"W
L53	87.50'	S45°20'03"W
L54	51.56'	S39°20'41"W
L55	49.79'	S27°52'22"W
L56	147.14'	S45°23'14"W
L57	89.18'	S22°24'46"W
L58	78.74'	S09°21'00"W
L59	42.98'	S06°42'10"E
L60	54.92'	S06°21'36"W
L61	38.19'	S20°46'57"W
L62	82.60'	S36°35'12"W
L63	92.20'	S09°17'05"W
L64	51.43'	S20°10'56"W
L65	76.50'	S24°53'22"W
L66	419.53'	S76°03'55"W
L67	180.86'	N39°53'44"W
L68	46.05'	N63°05'21"E
L69	31.40'	N32°32'54"E
L70	49.79'	N27°00'44"W
L71	34.01'	S85°03'17"W
L72	49.53'	N17°07'07"W
L73	47.43'	N31°15'17"E
L74	29.34'	N59°24'57"E
L75	53.96'	N70°19'12"E
L76	37.46'	N11°57'36"E
L77	69.54'	N38°03'26"W
L78	39.43'	N59°43'41"W
L79	53.95'	S82°39'16"W
L80	31.33'	N32°57'28"W
L81	62.50'	N15°35'43"E
L82	35.34'	N28°44'38"W
L83	51.89'	N67°54'50"W
L84	84.08'	N01°54'15"E
L85	58.44'	N32°57'10"W
L86	35.72'	N21°34'09"W
L87	44.52'	N19°43'44"W
L88	52.41'	N24°26'33"W
L89	45.00'	N01°13'44"W
L90	46.55'	N00°41'20"E
L91	46.28'	N05°25'01"E
L92	69.31'	N23°23'36"W
L93	107.62'	N48°44'55"E
L94	19.25'	N14°20'32"W
L95	42.08'	N44°21'11"W
L96	36.79'	N28°45'57"W
L97	49.73'	N10°11'17"W
L98	89.42'	N70°36'12"E
L99	14.83'	N33°48'08"E
L100	15.35'	N20°58'27"E
L101	18.69'	N09°31'13"E
L102	21.69'	N17°09'01"W
L103	33.54'	N37°57'51"W
L104	27.69'	N19°42'16"W
L105	13.59'	N12°18'42"W
L106	22.26'	N66°58'37"W
L107	44.79'	S65°01'35"W
L108	22.99'	N14°21'40"W
L109	16.64'	N33°52'27"E
L110	14.99'	N76°14'17"E
L111	11.01'	N46°09'55"E
L112	31.28'	N45°57'44"E
L113	42.92'	N09°25'50"W
L114	38.99'	N39°19'03"W
L115	52.92'	N04°58'47"E
L116	53.55'	N09°38'51"W
L117	27.99'	N33°20'23"W
L118	25.24'	N15°56'36"W
L119	26.98'	N63°19'47"W
L120	22.34'	N26°21'38"W
L121	14.12'	N81°16'11"W
L122	25.58'	N62°00'27"W
L123	31.83'	N12°46'33"W
L124	27.63'	N29°01'42"E
L125	18.02'	N03°57'59"W
L126	24.71'	N37°47'49"W
L127	64.75'	N76°42'23"W
L128	33.99'	N40°31'48"W
L129	31.28'	N51°28'11"W
L130	25.83'	N27°32'35"W
L131	66.08'	N34°20'02"W
L132	13.04'	N81°04'06"W
L133	523.93'	N03°32'37"W
L134	26.72'	N26°43'34"E
L135	49.17'	N02°32'03"E
L136	43.90'	N00°11'22"E
L137	132.57'	N01°14'46"W
L138	69.22'	N00°40'10"E
L139	41.62'	N03°20'07"E
L140	92.08'	N01°01'41"W
L141	36.11'	N13°41'45"E
L142	33.35'	N18°50'05"W
L143	234.48'	N87°49'44"E
L144	406.02'	S67°41'31"E
L145	247.84'	S48°46'58"E
L146	43.97'	S58°23'12"E
L147	165.33'	N60°45'39"E
L155	250.56'	N34°30'05"E
L156	265.35'	S48°46'47"E
L157	1591.33'	S86°09'47"E
L158	162.43'	S57°48'54"E

Curve Table

Curve #	Radius	Length	Delta	Chord Bearing	Chord Length
C1	1669.00'	253.84'	8°42'51"	S26°50'05"E	253.60'
C2	2056.00'	1264.43'	35°14'12"	S49°14'46"E	1244.59'
C3	1669.00'	435.79'	14°57'37"	S74°46'50"E	434.55'
C4	1080.00'	446.72'	23°41'58"	N86°27'29"E	443.54'
C5	754.00'	449.20'	34°08'04"	N59°34'28"E	442.59'
C6	150.00'	208.72'	79°43'35"	S02°38'38"W	192.29'
C7	965.00'	313.82'	18°37'57"	S46°32'08"E	312.43'

LEGEND OF SYMBOLS & ABBREVIATIONS

Symbol	Description
	HYDRANT
	STREET LIGHT
	AREA LIGHT
	SIGNAL POLE
	POLE
	GUY WIRE
	ANCHOR POLE
○	MANHOLE
Ⓓ	MANHOLE (DRAINAGE)
Ⓢ	MANHOLE (SANITARY SEWER)
Ⓔ	MANHOLE (ELECTRIC)
Ⓦ	MANHOLE (WATER)
Ⓖ	MANHOLE (NATURAL GAS)
Ⓣ	MANHOLE (TELEPHONE)
FM	MANHOLE (FORCE MAIN)
ST	MANHOLE (STEAM)
Ⓤ	MANHOLE (UNKNOWN UTILITY)
W	WATER VALVE
G	GAS VALVE
	SHRUB
	CATCH BASIN
CO	CLEAN OUT
	TREE
	SIGN
●	BOLLARD
	PEDESTRIAN WALK SIGNAL
△	DOOR
	DOUBLE DOOR
⊠	OVERHEAD DOOR
	PARKING METER
MC	METAL COVER
E	ELECTRIC BOX
	SOIL BORING
	MONITORING WELL
	TEST PIT
	BENCHMARK
RD	ROOF DRAIN
x322.35	SPOT ELEVATION
CC	CONCRETE CURB
CONC	CONCRETE
DP	DETECTABLE PAD
DC	DROP CURB
BWS	BROKEN WHITE STRIPE
SYS	SINGLE YELLOW STRIPE
DYS	DOUBLE YELLOW STRIPE
SWS	SINGLE WHITE STRIPE
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
NVP	NO VISIBLE PIPE
EP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
(S)	SURVEY BEARING & DISTANCE
(D)	DEED BEARING & DISTANCE
D	STORM DRAIN
S	SANITARY LINE
COMB	COMBINED UTILITY LINE
UNK	UNKNOWN UTILITY LINE
G	GAS LINE
W	WATER LINE
FW	FIRE WATER LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
C	CABLE TV LINE
ST	STEAM LINE
FM	FORCE MAIN
FO	FIBER OPTIC
(_)*	REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
	WETLAND LINE
	OVERHEAD WIRE
	GUIDE RAIL METAL
–X–X–	CHAIN LINK FENCE
	WOOD/STOCKADE FENCE
	WIRE FENCE
–O–O–	IRON FENCE
	TREE LINE
	EASEMENT LINE
	PROPERTY LINE
	RIGHT–OF–WAY LINE
322	CONTOUR LINE

Date	Description	No.

Revisions

"I hearby state that this plan is based on a field survey made by me or under my immediate supervision in accordance with NJAC 13:40-5.1 "Preparation of Land Surveys", and to the best of my professional knowledge, information and belief, and in my professional opinion, accurately represents the conditions found on the date of the field survey at the subject property".

Matthew Sipple

THIS PLAN/DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH N.J.A.C. 2026.07.20 17:39:52-04'00'

SIGNATURE DATE
MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

LANGAN
Langan Engineering and
Environmental Services, LLC.

300 Kimball Drive
Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
BOUNDARY & TOPOGRAPHIC SURVEY

Project No.
102054601
Date
JULY 20, 2026
Drawn By
MC
Checked By
MGS

Drawing No.
VT100
Sheet 1 of 7

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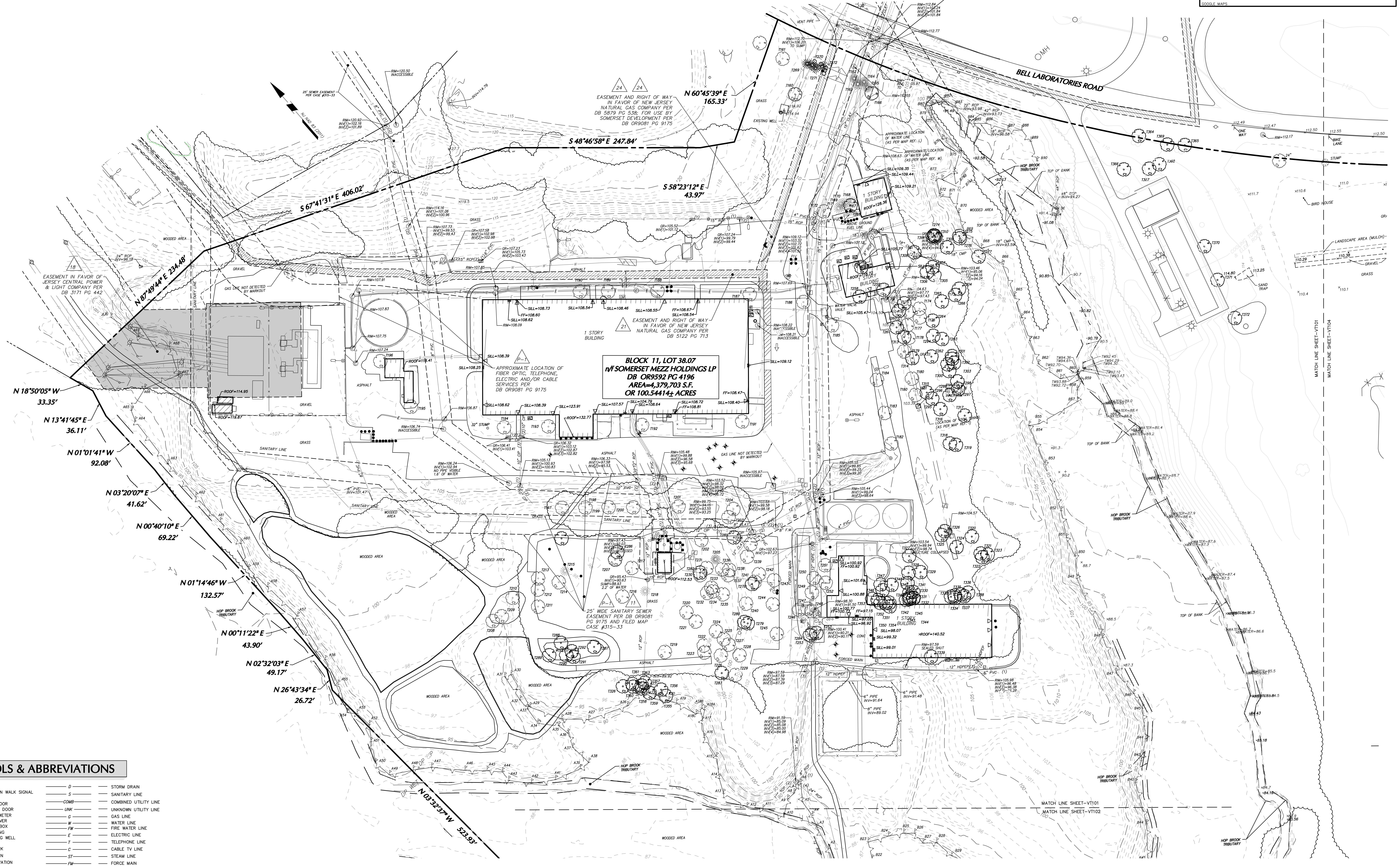
Holmdel
MT PLEASANT
Holmdel Park
Bell Labs Holmdel Complex
Tatum Park
Deep Cut Gardens
Garden State Pkwy
Crawfords Corner Rd
Van Schoick Rd
Middletown-Lincroft Rd
Oak Hill Rd
OAK HIL
Dwight Rd
Nutswamp Rd
RIVER PLAZA
Middletown Rd
CareOne at Holmdel
Hwy 34
Holmdel Rd
McCampbell Rd
Everett Rd
W Front St
Newman Springs Rd
Christian Brothers Academy
Half Mile Rd

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:

GOOGLE MAPS


BELL LABORATORIES ROAD
N 60°45'39" E
165.33'
S 48°46'58" E 247.84'
S 58°23'12" E
43.97'
S 67°41'31" E 406.02'
N 87°49'44" E 234.48'
N 18°50'05" W
33.35'
N 13°41'45" E
36.11'
N 01°01'41" W
92.08'
N 03°20'07" E
41.62'
N 00°40'10" E
69.22'
N 01°14'46" W
132.57'
N 00°11'22" E
43.90'
N 02°32'03" E
49.17'
N 26°43'34" E
26.72'
N 03°32'37" W 523.93'
24
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5879 PG 538; FOR USE BY SOMERSET DEVELOPMENT PER DB OR9081 PG 9175
18
EASEMENT IN FAVOR OF JERSEY CENTRAL POWER & LIGHT COMPANY PER DB 3171 PG 442
25' SEWER EASEMENT PER CASE #315-33
21
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5122 PG 713
1 STORY BUILDING
P-1
APPROXIMATE LOCATION OF FIBER OPTIC, TELEPHONE, ELECTRIC AND/OR CABLE SERVICES PER DB OR9081 PG 9175
BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB OR9592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES
GAS LINE NOT DETECTED BY MARKOUT
25' WIDE SANITARY SEWER EASEMENT PER DB OR9081 PG 9175 AND FILED MAP CASE #315-33
WOODED AREA
GRASS
GRAVEL
ASPHALT
SANITARY LINE
HOP BROOK TRIBUTARY
TOP OF BANK
LANDSCAPE AREA (MULCH)
BIRD HOUSE
SAND TRAP
BIKE LANE
ONE WAY
STUMP
VENT PIPE
EXISTING WELL
FUEL LINE
1 STORY BUILDING
FORCED MAIN
MATCH LINE SHEET-VT101
MATCH LINE SHEET-VT104
MATCH LINE SHEET-VT101
MATCH LINE SHEET-VT102

SEE SHEET VT102 FOR TREE DETAILS

LEGEND OF SYMBOLS & ABBREVIATIONS

	HYDRANT
	STREET LIGHT
	AREA LIGHT
	SIGNAL POLE
	POLE
	GUY WIRE
	ANCHOR POLE
○	MANHOLE
Ⓓ	MANHOLE (DRAINAGE)
Ⓢ	MANHOLE (SANITARY SEWER)
Ⓔ	MANHOLE (ELECTRIC)
Ⓦ	MANHOLE (WATER)
Ⓖ	MANHOLE (NATURAL GAS)
Ⓣ	MANHOLE (TELEPHONE)
(FM)	MANHOLE (FORCE MAIN)
(ST)	MANHOLE (STEAM)
Ⓤ	MANHOLE (UNKNOWN UTILITY)
W	WATER VALVE
G	GAS VALVE
	SHRUB
	CATCH BASIN
CO	CLEAN OUT
	TREE
	SIGN
●	BOLLARD
	PEDESTRIAN WALK SIGNAL
△	DOOR
	DOUBLE DOOR
⊠	OVERHEAD DOOR
	PARKING METER
MC	METAL COVER
E	ELECTRIC BOX
	SOIL BORING
	MONITORING WELL
◪	TEST PIT
	BENCHMARK
RD	ROOF DRAIN
x322.35	SPOT ELEVATION
CC	CONCRETE CURB
CONC	CONCRETE
DP	DETECTABLE PAD
DC	DROP CURB
BWS	BROKEN WHITE STRIPE
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NVP	NO VISIBLE PIPE
EP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
(S)	SURVEY BEARING & DISTANCE
(D)	DEED BEARING & DISTANCE
D	STORM DRAIN
S	SANITARY LINE
COMB	COMBINED UTILITY LINE
UNK	UNKNOWN UTILITY LINE
G	GAS LINE
W	WATER LINE
FW	FIRE WATER LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
C	CABLE TV LINE
ST	STEAM LINE
FM	FORCE MAIN
FO	FIBER OPTIC
(_)*	REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
	WETLAND LINE
	OVERHEAD WIRE
	GUIDE RAIL METAL
X	CHAIN LINK FENCE
□	WOOD/STOCKADE FENCE
✳	WIRE FENCE
O	IRON FENCE
	TREE LINE
	EASEMENT LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
322	CONTOUR LINE

50 0 25 50

SCALE: 1" = 50'

Date	Description	No.

Revisions

"I hearby state that this plan is based on a field survey made by me or under my immediate supervision in accordance with NJAC 13:40-5.1 "Preparation of Land Surveys", and to the best of my professional knowledge, information and belief, and in my professional opinion, accurately represents the conditions found on the date of the field survey at the subject property".

Matthew G. Sipple

THIS PLAN/DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH NJAC 13:40-8.1

2026.07.20 17:39:31-04'00'

SIGNATURE DATE

MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

LANGAN
Langan Engineering and Environmental Services, LLC.
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
BOUNDARY & TOPOGRAPHIC SURVEY

Project No.
102054601
Date
JULY 20, 2026
Drawn By
MC
Checked By
MGS

Drawing No.
VT101

Sheet 2 of 7

Project No. 102054601

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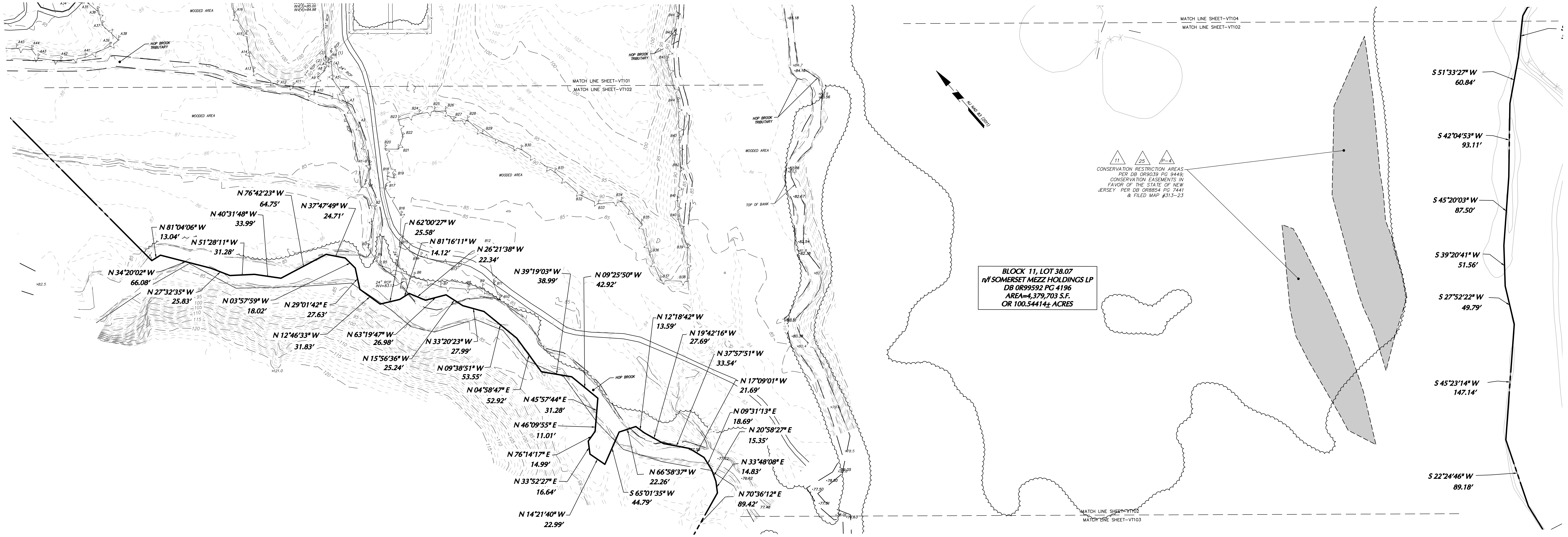
Holmdel
MT PLEASANT
Holmdel Park
Bell Labs Holmdel Complex
CareOne at Holmdel
Tatum Park
Deep Cut Gardens
Garden State Pkwy
Crawfords Corner Rd
Middletown Rd
Holmdel Rd
Hwy 34
Van Schoick Rd
Middletown-Lincroft Rd
Oak Hill Rd
Dwight Rd
Nutswamp Rd
RIVER PLAZA
OAK HILL
McCampbell Rd
Everett Rd
W Front St
Newman Springs Rd
Christian Brothers Academy
Half Mile Rd

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:

GOOGLE MAPS


MATCH LINE SHEET-VT101
MATCH LINE SHEET-VT102
MATCH LINE SHEET-VT104
MATCH LINE SHEET-VT102
MATCH LINE SHEET-VT102
MATCH LINE SHEET-VT103
WOODED AREA
HOP BROOK TRIBUTARY
HOP BROOK
TOP OF BANK
NJ NAD 83 (2011)
24" RCP INV=83.13
11
25
P-4
CONSERVATION RESTRICTION AREAS PER DB OR9039 PG 9449; CONSERVATION EASEMENTS IN FAVOR OF THE STATE OF NEW JERSEY PER DB OR8854 PG 7441 & FILED MAP #313-23
BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB 0R99592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES
N 34°20'02" W 66.08'
N 81°04'06" W 13.04'
N 40°31'48" W 33.99'
N 51°28'11" W 31.28'
N 76°42'23" W 64.75'
N 37°47'49" W 24.71'
N 27°32'35" W 25.83'
N 03°57'59" W 18.02'
N 29°01'42" E 27.63'
N 12°46'33" W 31.83'
N 63°19'47" W 26.98'
N 15°56'36" W 25.24'
N 62°00'27" W 25.58'
N 81°16'11" W 14.12'
N 26°21'38" W 22.34'
N 33°20'23" W 27.99'
N 09°38'51" W 53.55'
N 39°19'03" W 38.99'
N 09°25'50" W 42.92'
N 04°58'47" E 52.92'
N 45°57'44" E 31.28'
N 46°09'55" E 11.01'
N 76°14'17" E 14.99'
N 33°52'27" E 16.64'
N 14°21'40" W 22.99'
S 65°01'35" W 44.79'
N 66°58'37" W 22.26'
N 12°18'42" W 13.59'
N 19°42'16" W 27.69'
N 37°57'51" W 33.54'
N 17°09'01" W 21.69'
N 09°31'13" E 18.69'
N 20°58'27" E 15.35'
N 33°48'08" E 14.83'
N 70°36'12" E 89.42'
S 51°33'27" W 60.84'
S 42°04'53" W 93.11'
S 45°20'03" W 87.50'
S 39°20'41" W 51.56'
S 27°52'22" W 49.79'
S 45°23'14" W 147.14'
S 22°24'46" W 89.18'

TREE DETAILS

TREE #	TREE SIZE
T160	35"
T161	26"
T162	PINE
T163	PINE
T164	PINE
T165	PINE
T166	0
T167	PINE
T168	PINE
T169	PINE
T170	PINE
T171	PINE
T172	24"
T173	7"
T174	7"
T175	10"
T176	10"
T177	10"

TREE #	TREE SIZE
T178	10"
T179	10"
T180	0
T181	0
T182	21"
T183	13
T184	12"
T185	20"
T186	22"
T187	17"
T188	25"
T189	22"
T190	20"
T191	22"
T192	27"
T193	20"
T194	24"
T195	14"
T196	13"
T197	12"
T198	23"
T199	26"
T200	26"
T201	30"
T202	10"
T203	7"
T204	17"
T205	PINE
T206	13"
T207	12"
T208	23"
T209	21"
T210	16"
T211	11"
T212	14"
T213	21"
T214	13"
T215	PINE
T216	0
T217	14"
T218	PINE
T219	9"
T220	10"
T221	8"
T222	6"
T223	0
T224	8"
T225	0
T226	8"
T227	7"
T228	6"

TREE #	TREE SIZE
T229	4"
T230	7"
T231	7"
T232	7"
T233	7"
T234	7"
T235	7"
T236	4
T237	T4"
T238	4"
T239	4"
T240	18"
T241	15"
T242	6"
T243	13"
T244	11"
T245	10"
T246	8"
T247	7"
T248	8"
T249	20"
T250	12"
T251	6"
T252	10"
T253	10"
T258	8"
T259	7"
T260	4"
T261	3"
T262	3"
T263	4"
T264	6"
T265	5"
T266	6"
T267	7"
T268	3"
T269	3"
T270	4"
T271	5"
T272	4"
T273	13"
T274	11"
T275	5"
T276	10"
T277	20"
T278	4"
T279	5"
T280	5"
T281	3"
T282	3"

TREE #	TREE SIZE
T283	4"
T284	5"
T285	16"
T286	4"
T287	12"
T288	3"
T289	12"
T290	6"
T291	9"
T292	6"
T293	8"
T294	3"
T295	9"
T296	10"
T297	6"
T298	4"
T299	5"
T300	3"
T301	5"
T302	5"
T303	6"
T304	6"
T305	6"
T306	3"
T307	5"
T308	3"
T309	28"
T310	18"
T311	15"
T312	3"
T313	4"
T314	3"
T315	3"
T316	9"
T317	4"
T318	4"
T319	3"
T320	5"
T321	5"
T322	12"
T323	10"
T324	17"
T325	6"
T326	4"
T327	8"
T328	6"
T329	10"
T330	3"
T331	5"
T332	3"
T333	12"
T334	9"
T335	6"

TREE #	TREE SIZE	ELEV.
T336	7"	
T337	4"	
T338	8"	
T339	3"	
T340	4"	
T341	3"	
T342	8"	
T343	7"	
T344	6"	
T345	8"	
T346	10"	
T347	12"	
T348	6"	
T349	5"	
T350	4"	
T351	4"	
T352	12"	
T353	4"	
T354	3"	
T355	9"	
T356	25"	
T357	9"	
T358	10"	
T359	5"	
T360	7"	
T361	7"	
T362	3"	
T363	24"	
T364	33"	
T365	18"	
T366	12"	
T367	10"	
T368	9"	
T369	6"	
T370	10"	
T371	10"	
T372	10"	
T373	26"	
T374	21"	
T375	13"	
T376	33"	
T377	19"	
T378	26"	
T379	16"	
T380	34"	
T381	25"	
T382	31"	
T383	15"	
T384	16"	
T385	33"	
T387	7"	
T388	22"	
T389	19"	

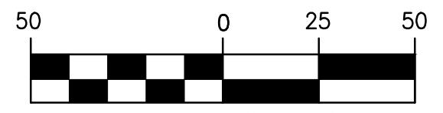
TREE #	TREE SIZE	ELEV.
T390	7"	
T391	4"	
T392	26"	
T393	19"	
T394	3"	
T395	3"	
T396	8"	
T397	7"	
T398	15"	
T399	12"	
T400	24"	
T401	14"	
T402	16"	
T403	19"	
T404	4"	
T405	8"	
T406	3"	
T407	6"	
T408	8"	

LEGEND OF SYMBOLS & ABBREVIATIONS

	HYDRANT
	STREET LIGHT
	AREA LIGHT
	SIGNAL POLE
	POLE
	GUY WIRE
	ANCHOR POLE
○	MANHOLE
Ⓓ	MANHOLE (DRAINAGE)
Ⓢ	MANHOLE (SANITARY SEWER)
Ⓔ	MANHOLE (ELECTRIC)
Ⓦ	MANHOLE (WATER)
Ⓖ	MANHOLE (NATURAL GAS)
Ⓣ	MANHOLE (TELEPHONE)
(FM)	MANHOLE (FORCE MAIN)
(ST)	MANHOLE (STEAM)
Ⓤ	MANHOLE (UNKNOWN UTILITY)
W	WATER VALVE
G	GAS VALVE
	SHRUB
	CATCH BASIN
CO	CLEAN OUT
	TREE
	SIGN

●	BOLLARD
	PEDESTRIAN WALK SIGNAL
△	DOOR
	DOUBLE DOOR
☒	OVERHEAD DOOR
	PARKING METER
MC	METAL COVER
E	ELECTRIC BOX
	SOIL BORING
	MONITORING WELL
	TEST PIT
	BENCHMARK
RD	ROOF DRAIN
x322.35	SPOT ELEVATION
CC	CONCRETE CURB
CONC	CONCRETE
DP	DETECTABLE PAD
DC	DROP CURB
BWS	BROKEN WHITE STRIPE
SYS	SINGLE YELLOW STRIPE
DYS	DOUBLE YELLOW STRIPE
SWS	SINGLE WHITE STRIPE
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
NVP	NO VISIBLE PIPE
EP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
(S)	SURVEY BEARING & DISTANCE
(D)	DEED BEARING & DISTANCE

D	STORM DRAIN
S	SANITARY LINE
COMB	COMBINED UTILITY LINE
UNK	UNKNOWN UTILITY LINE
G	GAS LINE
W	WATER LINE
FW	FIRE WATER LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
C	CABLE TV LINE
ST	STEAM LINE
FM	FORCE MAIN
FO	FIBER OPTIC
(_)*	REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
	WETLAND LINE
	OVERHEAD WIRE
	GUIDE RAIL METAL
X	CHAIN LINK FENCE
	WOOD/STOCKADE FENCE
	WIRE FENCE
O	IRON FENCE
	TREE LINE
	EASEMENT LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
322	CONTOUR LINE



SCALE: 1"= 50'

Date	Description	No.

Revisions

"I hearby state that this plan is based on a field survey made by me or under my immediate supervision in accordance with NJAC 13:40-5.1 "Preparation of Land Surveys", and to the best of my professional knowledge, information and belief, and in my professional opinion, accurately represents the conditions found on the date of the field survey at the subject property".

Matthew G. Sipple

THIS PLAN/DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH N

2026.07.20 17:39:23-04'00'

SIGNATURE DATE

MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

LANGAN
Langan Engineering and
Environmental Services, LLC.
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
BOUNDARY & TOPOGRAPHIC SURVEY

Project No.
102054601
Date
JULY 20, 2026
Drawn By
MC
Checked By
MGS

Drawing No.
VT101
Sheet 0 of 7

Project No. 102054601

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SURVEY DESCRIPTION

BEGINNING AT A POINT, MARKED BY A CONCRETE MONUMENT, ON THE NORTHWESTERLY LINE OF MIDDLETOWN ROAD (VARIABLE WIDTHS) AT ITS INTERSECTION WITH THE SOUTHERLY LINE OF LOT 73.21 AS BLOCK 11 SHOWN ON THE TAX ASSESSMENT MAPS OF HOLMDEL TOWNSHIP AND RUNNING; THENCE

1. ALONG SAID NORTHWESTERLY LINE OF MIDDLETOWN ROAD, SOUTH 73°45'20" WEST, A DISTANCE OF 139.43 FEET TO A POINT; THENCE
2. CONTINUING ALONG SAID NORTHWESTERLY LINE OF MIDDLETOWN ROAD, SOUTH 86°09'47" EAST, A DISTANCE OF 100.00 FEET TO A POINT; THENCE
3. CONTINUING ALONG SAID NORTHWESTERLY LINE OF MIDDLETOWN ROAD, SOUTH 51°58'38" WEST, A DISTANCE OF 211.86 FEET TO A POINT IN THE CENTERLINE OF A STREAM BEING THE NORTHERLY LINE OF LOTS 76 AND 77.01, BLOCK 11; THENCE

ALONG THE CENTERLINE OF SAID STREAM THE FOLLOWING 39 COURSES:

4. NORTH 89°44'28" WEST, A DISTANCE OF 171.30 FEET TO A POINT; THENCE
5. SOUTH 89°10'12" WEST, A DISTANCE OF 163.59 FEET TO A POINT; THENCE
6. SOUTH 85°48'51" WEST, A DISTANCE OF 85.94 FEET TO A POINT; THENCE
7. SOUTH 89°36'50" WEST, A DISTANCE OF 98.18 FEET TO A POINT; THENCE
8. SOUTH 83°47'27" WEST, A DISTANCE OF 74.91 FEET TO A POINT; THENCE
9. SOUTH 58°23'53" WEST, A DISTANCE OF 23.08 FEET TO A POINT; THENCE
10. NORTH 79°54'27" WEST, A DISTANCE OF 87.64 FEET TO A POINT; THENCE
11. NORTH 82°19'38" WEST, A DISTANCE OF 80.95 FEET TO A POINT; THENCE
12. NORTH 88°47'31" WEST, A DISTANCE OF 104.81 FEET TO A POINT; THENCE
13. SOUTH 84°38'17" WEST, A DISTANCE OF 117.49 FEET TO A POINT; THENCE
14. NORTH 88°34'45" WEST, A DISTANCE OF 152.08 FEET TO A POINT; THENCE
15. NORTH 65°06'48" WEST, A DISTANCE OF 60.15 FEET TO A POINT; THENCE
16. SOUTH 72°34'41" WEST, A DISTANCE OF 158.25 FEET TO A POINT; THENCE
17. SOUTH 82°38'28" WEST, A DISTANCE OF 89.22 FEET TO A POINT; THENCE
18. NORTH 86°45'44" WEST, A DISTANCE OF 110.47 FEET TO A POINT; THENCE
19. NORTH 60°44'41" WEST, A DISTANCE OF 207.47 FEET TO A POINT; THENCE
20. NORTH 76°26'45" WEST, A DISTANCE OF 74.00 FEET TO A POINT; THENCE
21. NORTH 82°45'48" WEST, A DISTANCE OF 106.30 FEET TO A POINT; THENCE
22. NORTH 68°47'30" WEST, A DISTANCE OF 77.10 FEET TO A POINT; THENCE
23. NORTH 65°57'32" WEST, A DISTANCE OF 115.25 FEET TO A POINT; THENCE
24. NORTH 77°00'29" WEST, A DISTANCE OF 62.16 FEET TO A POINT; THENCE
25. NORTH 73°53'22" WEST, A DISTANCE OF 86.86 FEET TO A POINT; THENCE
26. NORTH 55°11'47" WEST, A DISTANCE OF 42.73 FEET TO A POINT; THENCE
27. NORTH 74°54'45" WEST, A DISTANCE OF 70.29 FEET TO A POINT; THENCE
28. NORTH 59°57'22" WEST, A DISTANCE OF 73.26 FEET TO A POINT; THENCE
29. NORTH 75°58'40" WEST, A DISTANCE OF 49.54 FEET TO A POINT; THENCE
30. SOUTH 64°53'21" WEST, A DISTANCE OF 57.83 FEET TO A POINT; THENCE
31. NORTH 48°02'45" WEST, A DISTANCE OF 51.31 FEET TO A POINT; THENCE
32. NORTH 87°49'29" WEST, A DISTANCE OF 44.42 FEET TO A POINT; THENCE
33. SOUTH 83°41'17" WEST, A DISTANCE OF 91.81 FEET TO A POINT; THENCE
34. NORTH 33°19'38" WEST, A DISTANCE OF 94.87 FEET TO A POINT; THENCE
35. NORTH 02°38'52" WEST, A DISTANCE OF 38.82 FEET TO A POINT; THENCE
36. SOUTH 88°38'56" WEST, A DISTANCE OF 73.14 FEET TO A POINT; THENCE
37. SOUTH 56°16'07" WEST, A DISTANCE OF 45.55 FEET TO A POINT; THENCE
38. NORTH 87°41'30" WEST, A DISTANCE OF 65.09 FEET TO A POINT; THENCE
39. SOUTH 39°56'30" WEST, A DISTANCE OF 79.62 FEET TO A POINT; THENCE
40. NORTH 79°49'56" WEST, A DISTANCE OF 140.07 FEET TO A POINT; THENCE
41. SOUTH 58°15'31" WEST, A DISTANCE OF 158.74 FEET TO A POINT; THENCE
42. SOUTH 18°03'32" WEST, A DISTANCE OF 66.46 FEET TO A POINT IN THE CENTERLINE OF A DITCH BEING THE NORTHWESTERLY LINE OF LOT 77.01, BLOCK 11; THENCE

ALONG THE CENTERLINE OF SAID DITCH THE FOLLOWING 23 COURSES:

43. NORTH 61°08'28" WEST, A DISTANCE OF 167.94 FEET TO A POINT; THENCE
44. SOUTH 40°13'47" WEST, A DISTANCE OF 137.52 FEET TO A POINT; THENCE
45. SOUTH 32°00'44" WEST, A DISTANCE OF 98.44 FEET TO A POINT; THENCE
46. SOUTH 69°43'51" WEST, A DISTANCE OF 83.93 FEET TO A POINT; THENCE
47. SOUTH 60°09'53" WEST, A DISTANCE OF 125.43 FEET TO A POINT; THENCE
48. SOUTH 50°36'58" WEST, A DISTANCE OF 102.07 FEET TO A POINT; THENCE
49. SOUTH 70°08'53" WEST, A DISTANCE OF 22.24 FEET TO A POINT; THENCE
50. SOUTH 47°14'00" WEST, A DISTANCE OF 51.63 FEET TO A POINT; THENCE
51. SOUTH 51°33'27" WEST, A DISTANCE OF 60.84 FEET TO A POINT; THENCE
52. SOUTH 42°04'53" WEST, A DISTANCE OF 93.11 FEET TO A POINT; THENCE
53. SOUTH 45°20'03" WEST, A DISTANCE OF 87.50 FEET TO A POINT; THENCE
54. SOUTH 39°20'41" WEST, A DISTANCE OF 51.56 FEET TO A POINT; THENCE
55. SOUTH 27°52'22" WEST, A DISTANCE OF 49.79 FEET TO A POINT; THENCE
56. SOUTH 45°23'14" WEST, A DISTANCE OF 147.14 FEET TO A POINT; THENCE
57. SOUTH 22°24'46" WEST, A DISTANCE OF 89.18 FEET TO A POINT; THENCE
58. SOUTH 09°21'00" WEST, A DISTANCE OF 78.74 FEET TO A POINT; THENCE
59. SOUTH 06°42'10" EAST, A DISTANCE OF 42.98 FEET TO A POINT; THENCE
60. SOUTH 06°21'36" WEST, A DISTANCE OF 54.92 FEET TO A POINT; THENCE
61. SOUTH 20°46'57" WEST, A DISTANCE OF 38.19 FEET TO A POINT; THENCE
62. SOUTH 36°35'12" WEST, A DISTANCE OF 82.60 FEET TO A POINT; THENCE
63. SOUTH 09°17'05" WEST, A DISTANCE OF 92.20 FEET TO A POINT; THENCE
64. SOUTH 20°10'56" WEST, A DISTANCE OF 51.43 FEET TO A POINT; THENCE
65. SOUTH 24°53'22" WEST, A DISTANCE OF 76.50 FEET TO A POINT ON THE NORTHERLY LINE OF LOT 38.01 BLOCK 11; THENCE
66. ALONG SAID NORTHERLY LINE OF LOT 38.01, SOUTH 76°03'55" WEST, A DISTANCE OF 419.53 FEET TO A POINT IN THE CENTERLINE OF RAMANESSIN BROOK; THENCE

ALONG THE CENTERLINE OF RAMANESSIN BROOK THE FOLLOWING 66 COURSES:

67. NORTH 39°53'44" WEST, A DISTANCE OF 180.86 FEET TO A POINT; THENCE
68. NORTH 63°05'21" EAST, A DISTANCE OF 46.05 FEET TO A POINT; THENCE
69. NORTH 32°32'54" EAST, A DISTANCE OF 31.40 FEET TO A POINT; THENCE
70. NORTH 27°00'44" WEST, A DISTANCE OF 49.79 FEET TO A POINT; THENCE
71. SOUTH 85°03'17" WEST, A DISTANCE OF 34.01 FEET TO A POINT; THENCE
72. NORTH 17°07'07" WEST, A DISTANCE OF 49.53 FEET TO A POINT; THENCE
73. NORTH 31°15'17" EAST, A DISTANCE OF 47.43 FEET TO A POINT; THENCE
74. NORTH 59°24'57" EAST, A DISTANCE OF 29.34 FEET TO A POINT; THENCE
75. NORTH 70°19'12" EAST, A DISTANCE OF 53.96 FEET TO A POINT; THENCE
76. NORTH 11°57'36" EAST, A DISTANCE OF 37.46 FEET TO A POINT; THENCE
77. NORTH 38°03'26" WEST, A DISTANCE OF 69.54 FEET TO A POINT; THENCE
78. NORTH 59°43'41" WEST, A DISTANCE OF 39.43 FEET TO A POINT; THENCE
79. SOUTH 82°39'16" WEST, A DISTANCE OF 53.95 FEET TO A POINT; THENCE
80. NORTH 32°57'28" WEST, A DISTANCE OF 31.33 FEET TO A POINT; THENCE
81. NORTH 15°35'43" EAST, A DISTANCE OF 62.50 FEET TO A POINT; THENCE
82. NORTH 28°44'38" WEST, A DISTANCE OF 35.34 FEET TO A POINT; THENCE
83. NORTH 67°54'50" WEST, A DISTANCE OF 51.89 FEET TO A POINT; THENCE
84. NORTH 01°54'15" EAST, A DISTANCE OF 84.08 FEET TO A POINT; THENCE
85. NORTH 32°57'10" WEST, A DISTANCE OF 58.44 FEET TO A POINT; THENCE
86. NORTH 21°34'09" WEST, A DISTANCE OF 35.72 FEET TO A POINT; THENCE
87. NORTH 19°43'44" WEST, A DISTANCE OF 44.52 FEET TO A POINT; THENCE
88. NORTH 24°26'33" WEST, A DISTANCE OF 52.41 FEET TO A POINT; THENCE
89. NORTH 01°13'44" WEST, A DISTANCE OF 45.00 FEET TO A POINT; THENCE
90. NORTH 00°41'20" EAST, A DISTANCE OF 46.55 FEET TO A POINT; THENCE
91. NORTH 05°25'01" EAST, A DISTANCE OF 46.28 FEET TO A POINT; THENCE
92. NORTH 23°23'36" WEST, A DISTANCE OF 69.31 FEET TO A POINT; THENCE
93. NORTH 48°44'55" EAST, A DISTANCE OF 107.62 FEET TO A POINT; THENCE
94. NORTH 14°20'32" WEST, A DISTANCE OF 19.25 FEET TO A POINT; THENCE
95. NORTH 44°21'11" WEST, A DISTANCE OF 42.08 FEET TO A POINT; THENCE
96. NORTH 28°45'57" WEST, A DISTANCE OF 36.79 FEET TO A POINT; THENCE
97. NORTH 10°11'17" WEST, A DISTANCE OF 49.73 FEET TO A POINT; THENCE
98. NORTH 70°36'12" EAST, A DISTANCE OF 89.42 FEET TO A POINT; THENCE
99. NORTH 33°48'08" EAST, A DISTANCE OF 14.83 FEET TO A POINT; THENCE
100. NORTH 20°58'27" EAST, A DISTANCE OF 15.35 FEET TO A POINT; THENCE
101. NORTH 09°31'13" EAST, A DISTANCE OF 18.69 FEET TO A POINT; THENCE
102. NORTH 17°09'01" WEST, A DISTANCE OF 21.69 FEET TO A POINT; THENCE
103. NORTH 37°57'51" WEST, A DISTANCE OF 33.54 FEET TO A POINT; THENCE
104. NORTH 19°42'16" WEST, A DISTANCE OF 27.69 FEET TO A POINT; THENCE
105. NORTH 12°18'42" WEST, A DISTANCE OF 13.59 FEET TO A POINT; THENCE
106. NORTH 66°58'37" WEST, A DISTANCE OF 22.26 FEET TO A POINT; THENCE
107. SOUTH 65°01'35" WEST, A DISTANCE OF 44.79 FEET TO A POINT; THENCE
108. NORTH 14°21'40" WEST, A DISTANCE OF 22.99 FEET TO A POINT; THENCE
109. NORTH 33°52'27" EAST, A DISTANCE OF 16.64 FEET TO A POINT; THENCE
110. NORTH 76°14'17" EAST, A DISTANCE OF 14.99 FEET TO A POINT; THENCE
111. NORTH 46°09'55" EAST, A DISTANCE OF 11.01 FEET TO A POINT; THENCE
112. NORTH 45°57'44" EAST, A DISTANCE OF 31.28 FEET TO A POINT; THENCE
113. NORTH 09°25'50" WEST, A DISTANCE OF 42.92 FEET TO A POINT; THENCE
114. NORTH 39°19'03" WEST, A DISTANCE OF 38.99 FEET TO A POINT; THENCE
115. NORTH 04°58'47" EAST, A DISTANCE OF 52.92 FEET TO A POINT; THENCE
116. NORTH 09°38'51" WEST, A DISTANCE OF 53.55 FEET TO A POINT; THENCE
117. NORTH 33°20'23" WEST, A DISTANCE OF 27.99 FEET TO A POINT; THENCE
118. NORTH 15°56'36" WEST, A DISTANCE OF 25.24 FEET TO A POINT; THENCE
119. NORTH 63°19'47" WEST, A DISTANCE OF 26.98 FEET TO A POINT; THENCE
120. NORTH 26°21'38" WEST, A DISTANCE OF 22.34 FEET TO A POINT; THENCE
121. NORTH 81°16'11" WEST, A DISTANCE OF 14.12 FEET TO A POINT; THENCE
122. NORTH 62°00'27" WEST, A DISTANCE OF 25.58 FEET TO A POINT; THENCE
123. NORTH 12°46'33" WEST, A DISTANCE OF 31.83 FEET TO A POINT; THENCE
124. NORTH 29°01'42" EAST, A DISTANCE OF 27.63 FEET TO A POINT; THENCE
125. NORTH 03°57'59" WEST, A DISTANCE OF 18.02 FEET TO A POINT; THENCE
126. NORTH 37°47'49" WEST, A DISTANCE OF 24.71 FEET TO A POINT; THENCE
127. NORTH 76°42'23" WEST, A DISTANCE OF 64.75 FEET TO A POINT; THENCE
128. NORTH 40°31'48" WEST, A DISTANCE OF 33.99 FEET TO A POINT; THENCE
129. NORTH 51°28'11" WEST, A DISTANCE OF 31.28 FEET TO A POINT; THENCE
130. NORTH 27°32'35" WEST, A DISTANCE OF 25.83 FEET TO A POINT; THENCE
131. NORTH 34°20'02" WEST, A DISTANCE OF 66.08 FEET TO A POINT; THENCE
132. NORTH 81°04'06" WEST, A DISTANCE OF 13.04 FEET TO A POINT; THENCE
133. ALONG THE WESTERLY LINE OF LOT 38.02 BLOCK 11, NORTH 03°32'37" WEST, A DISTANCE OF 523.93 FEET TO A POINT IN THE CENTERLINE OF A STREAM; THENCE

ALONG THE CENTERLINE OF SAID STREAM THE FOLLOWING 10 COURSES:

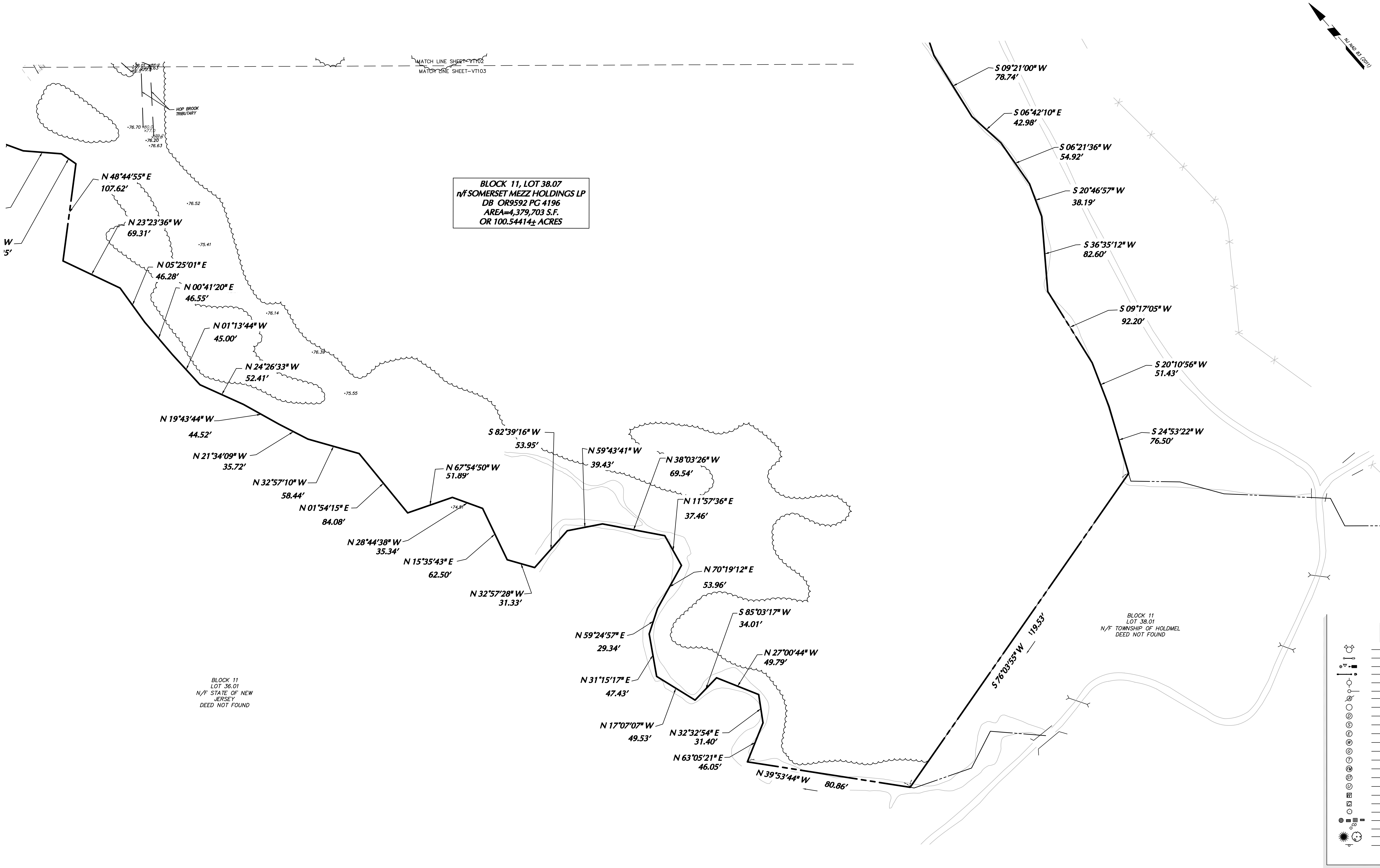
134. NORTH 26°43'34" EAST, A DISTANCE OF 26.72 FEET TO A POINT; THENCE
135. NORTH 02°32'03" EAST, A DISTANCE OF 49.17 FEET TO A POINT; THENCE
136. NORTH 00°11'22" EAST, A DISTANCE OF 43.90 FEET TO A POINT; THENCE
137. NORTH 01°14'46" WEST, A DISTANCE OF 132.57 FEET TO A POINT; THENCE
138. NORTH 00°40'10" EAST, A DISTANCE OF 69.22 FEET TO A POINT; THENCE
139. NORTH 03°20'07" EAST, A DISTANCE OF 41.62 FEET TO A POINT; THENCE
140. NORTH 01°01'41" WEST, A DISTANCE OF 92.08 FEET TO A POINT; THENCE
141. NORTH 13°41'45" EAST, A DISTANCE OF 36.11 FEET TO A POINT; THENCE
142. NORTH 18°50'05" WEST, A DISTANCE OF 7.26 FEET TO A POINT; THENCE
143. NORTH 18°50'05" WEST, A DISTANCE OF 26.10 FEET TO A POINT; THENCE
144. LEAVING SAID CENTERLINE, NORTH 87°49'44" EAST, A DISTANCE OF 234.48 FEET TO A POINT; THENCE
145. SOUTH 67°41'31" EAST, A DISTANCE OF 406.02 FEET TO A POINT; THENCE
146. SOUTH 48°46'58" EAST, A DISTANCE OF 247.84 FEET TO A POINT; THENCE
147. SOUTH 58°23'12" EAST, A DISTANCE OF 43.97 FEET TO A POINT; THENCE
148. NORTH 60°45'39" EAST, A DISTANCE OF 165.33 FEET TO A POINT ON A CURVE; THENCE
149. SOUTHEASTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 253.84 FEET, A RADIUS OF 1,669.00 FEET AND A CENTRAL ANGLE OF 8°42'51" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 26°50'05" EAST, A DISTANCE OF 253.60 FEET TO A NON-TANGENT POINT; THENCE
150. SOUTHEASTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 1,264.43 FEET, A RADIUS OF 2,056.00 FEET AND A CENTRAL ANGLE OF 35°14'12" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 49°14'46" EAST, A DISTANCE OF 1,244.59 FEET TO A NON-TANGENT POINT; THENCE
151. EASTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 435.79 FEET, A RADIUS OF 1,669.00 FEET AND A CENTRAL ANGLE OF 14°57'37" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 74°46'50" EAST, A DISTANCE OF 434.55 FEET TO A NON-TANGENT POINT; THENCE
152. EASTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 446.72 FEET, A RADIUS OF 1,080.00 FEET AND A CENTRAL ANGLE OF 23°41'58" AND BEING SUBTENDED BY A CHORD WHICH BEARS NORTH 86°27'29" EAST, A DISTANCE OF 443.54 FEET TO A NON-TANGENT POINT; THENCE
153. NORTHEASTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 449.20 FEET, A RADIUS OF 754.00 FEET AND A CENTRAL ANGLE OF 34°08'04" AND BEING SUBTENDED BY A CHORD WHICH BEARS NORTH 59°34'28" EAST, A DISTANCE OF 442.59 FEET TO A POINT OF CUSP; THENCE
154. SOUTHERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 208.72 FEET, A RADIUS OF 150.00 FEET AND A CENTRAL ANGLE OF 79°43'35" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 02°38'38" WEST, A DISTANCE OF 192.29 FEET TO A POINT OF COMPOUND CURVATURE; THENCE
155. SOUTHEASTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC DISTANCE OF 313.82 FEET, A RADIUS OF 965.00 FEET AND A CENTRAL ANGLE OF 18°37'57" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 46°32'08" EAST, A DISTANCE OF 312.43 FEET TO A NON-TANGENT POINT; THENCE
156. NORTH 34°30'05" EAST, A DISTANCE OF 250.56 FEET TO A POINT ON THE SOUTHERLY LINE OF LOT 73.18; THENCE
157. ALONG SAID SOUTHERLY LINE OF LOT 73.18, SOUTH 48°46'47" EAST, A DISTANCE OF 265.35 FEET TO A BEND POINT THEREIN; THENCE
158. ALONG SAID SOUTHERLY LINE OF LOT 73.18 AND ALSO LOTS 73.19, 73.20 AND 73.12 BLOCK 11, SOUTH 86°09'47" EAST, A DISTANCE OF 1,591.33 FEET TO A BEND POINT IN LOT 73.21 BLOCK 11; THENCE
159. ALONG SAID SOUTHERLY LINE OF LOT 73.21 BLOCK 11, SOUTH 57°48'54" EAST, A DISTANCE OF 162.43 FEET TO A POINT ON THE AFOREMENTIONED NORTHWESTERLY LINE OF MIDDLETOWN ROAD BEING THE POINT OF BEGINNING.

Holmdel
MT PLEASANT
Garden State Pkwy
Crawfords Corner Rd
Holmdel Park
Bell Labs Holmdel Complex
Middletown Rd
Holmdel Rd
CareOne at Holmdel
Hwy 34
Van Schoick Rd
Tatum Park
Deep Cut Gardens
Middletown-Lincroft Rd
Oak Hill Rd
OAK HIL
Dwight Rd
Nutswamp Rd
RIVER PLAZA
Everett Rd
McCampbell Rd
W Front St
Newman Springs Rd
Christian Brothers Academy
Half Mile Rd

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:
GOOGLE MAPS



SCALE: 1"= 50'

LEGEND OF SYMBOLS & ABBREVIATIONS

⛊	HYDRANT
○—	STREET LIGHT
✲	AREA LIGHT
—●	SIGNAL POLE
○	POLE
○—	GUY WIRE
Ⓐ	ANCHOR POLE
○	MANHOLE
Ⓓ	MANHOLE (DRAINAGE)
Ⓢ	MANHOLE (SANITARY SEWER)
Ⓔ	MANHOLE (ELECTRIC)
Ⓦ	MANHOLE (WATER)
Ⓖ	MANHOLE (NATURAL GAS)
Ⓣ	MANHOLE (TELEPHONE)
FM	MANHOLE (FORCE MAIN)
ST	MANHOLE (STEAM)
Ⓤ	MANHOLE (UNKNOWN UTILITY)
W	WATER VALVE
G	GAS VALVE
✿	SHRUB
▨	CATCH BASIN
CO ○	CLEAN OUT
✹	TREE
⊸	SIGN

●	BOLLARD
▣	PEDESTRIAN WALK SIGNAL
△	DOOR
△	DOUBLE DOOR
☒	OVERHEAD DOOR
⬭	PARKING METER
MC	METAL COVER
E	ELECTRIC BOX
⌖	SOIL BORING
◬	MONITORING WELL
◩	TEST PIT
⊕	BENCHMARK
RD	ROOF DRAIN
x322.35	SPOT ELEVATION
CC	CONCRETE CURB
CONC	CONCRETE
DP	DETECTABLE PAD
DC	DROP CURB
BWS	BROKEN WHITE STRIPE
SYS	SINGLE YELLOW STRIPE
DYS	DOUBLE YELLOW STRIPE
SWS	SINGLE WHITE STRIPE
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
NVP	NO VISIBLE PIPE
EP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
(S)	SURVEY BEARING & DISTANCE
(D)	DEED BEARING & DISTANCE

—D—	STORM DRAIN
—S—	SANITARY LINE
—COMB—	COMBINED UTILITY LINE
—UNK—	UNKNOWN UTILITY LINE
—G—	GAS LINE
—W—	WATER LINE
—E—	ELECTRIC LINE
—T—	TELEPHONE LINE
—C—	CABLE TV LINE
—ST—	STEAM LINE
—FM—	FORCE MAIN
—FO—	FIBER OPTIC
—(_)*—	REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
—∧—∧—	WETLAND LINE
—w—w—	OVERHEAD WIRE
—T—T—	GUIDE RAIL METAL
—X—X—	CHAIN LINK FENCE
—□—□—	WOOD/STOCKADE FENCE
—*—*—	WIRE FENCE
—o—o—	IRON FENCE
︵︵︵	TREE LINE
— — —	EASEMENT LINE
━ ━ ━	PROPERTY LINE
━ — —	RIGHT-OF-WAY LINE
—322—	CONTOUR LINE

Date	Description	No.
	Revisions	

"I hearby state that this plan is based on a field survey made by me or under my immediate supervision in accordance with NJAC 13:40-5.1 "Preparation of Land Surveys", and to the best of my professional knowledge, information and belief, and in my professional opinion, accurately represents the conditions found on the date of the field survey at the subject property".

Matthew G. Sipple

No. 24GS04332100

THIS PLAN/DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH NJAC 13:40-8.1A

2026.07.20 17:39:13-04'00'

SIGNATURE DATE
MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

LANGAN
Langan Engineering and Environmental Services, LLC.
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
BOUNDARY & TOPOGRAPHIC SURVEY

Project No. 102054601
Date JULY 20, 2026
Drawn By MC
Checked By MGS

Drawing No.
VT103

Sheet 4 of 7

LANGAN

Project No. 102054601

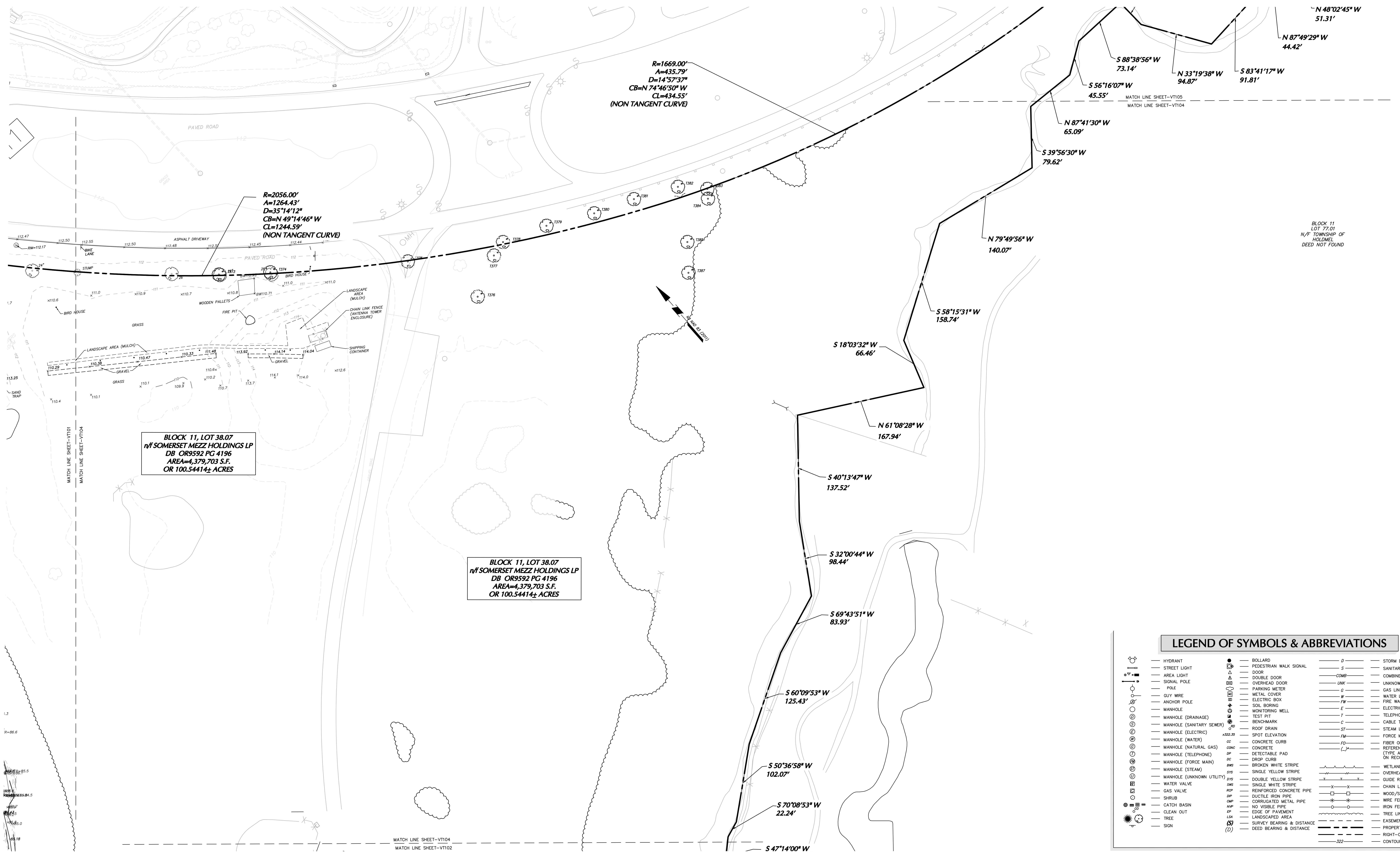
© 2026 Langan

Holmdel
MT PLEASANT
Holmdel Park
Bell Labs Holmdel Complex
CareOne at Holmdel
Tatum Park
Deep Cut Gardens
Garden State Pkwy
Crawfords Corner Rd
Middletown Rd
Holmdel Rd
Hwy 34
Van Schoick Rd
Middletown-Lincroft Rd
Oak Hill Rd
Dwight Rd
Nutswamp Rd
RIVER PLAZA
McCampbell Rd
Everett Rd
W Front St
Newman Springs Rd
Christian Brothers Academy
Half Mile Rd

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:
GOOGLE MAPS


N 48°02'45" W
51.31'
N 87°49'29" W
44.42'
S 88°38'56" W
73.14'
N 33°19'38" W
94.87'
S 83°41'17" W
91.81'
S 56°16'07" W
45.55'
MATCH LINE SHEET–VT105
MATCH LINE SHEET–VT104
N 87°41'30" W
65.09'
S 39°56'30" W
79.62'
R=1669.00'
A=435.79'
D=14°57'37"
CB=N 74°46'50" W
CL=434.55'
(NON TANGENT CURVE)
PAVED ROAD
ASPHALT DRIVE
R=2056.00'
A=1264.43'
D=35°14'12"
CB=N 49°14'46" W
CL=1244.59'
(NON TANGENT CURVE)
ASPHALT DRIVEWAY
RIM=112.17
BIKE LANE
STUMP
24"
26
T373
T374
T375
T376
T377
T378
T379
T380
T381
T382
T383
T384
T385
T387
OMH
BIRD HOUSE
WOODEN PALLETS
BW110.71
FIRE PIT
LANDSCAPE AREA (MULCH)
CHAIN LINK FENCE (ANTENNA TOWER ENCLOSURE)
SHIPPING CONTAINER
GRASS
GRAVEL
SAND TRAP
110.29
110.38
110.47
110.33
111.48
113.92
114.14
114.04
113.25
N 79°49'56" W
140.07'
BLOCK 11
LOT 77.01
N/F TOWNSHIP OF HOLMDEL
DEED NOT FOUND
NJ NAD 83 (2011)
S 58°15'31" W
158.74'
S 18°03'32" W
66.46'
N 61°08'28" W
167.94'
BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB OR9592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES
MATCH LINE SHEET–VT101
MATCH LINE SHEET–VT104
S 40°13'47" W
137.52'
S 32°00'44" W
98.44'
S 69°43'51" W
83.93'
S 60°09'53" W
125.43'
S 50°36'58" W
102.07'
S 70°08'53" W
22.24'
S 47°14'00" W
MATCH LINE SHEET–VT104
MATCH LINE SHEET–VT102

BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB OR9592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES

LEGEND OF SYMBOLS & ABBREVIATIONS

- HYDRANT
- STREET LIGHT
- AREA LIGHT
- SIGNAL POLE
- POLE
- GUY WIRE
- ANCHOR POLE
- MANHOLE
- MANHOLE (DRAINAGE)
- MANHOLE (SANITARY SEWER)
- MANHOLE (ELECTRIC)
- MANHOLE (WATER)
- MANHOLE (NATURAL GAS)
- MANHOLE (TELEPHONE)
- MANHOLE (FORCE MAIN)
- MANHOLE (STEAM)
- MANHOLE (UNKNOWN UTILITY)
- WATER VALVE
- GAS VALVE
- SHRUB
- CATCH BASIN
- CLEAN OUT
- TREE
- SIGN

- ● — BOLLARD
- PEDESTRIAN WALK SIGNAL
- △ — DOOR
- DOUBLE DOOR
- ⊠ — OVERHEAD DOOR
- PARKING METER
- MC — METAL COVER
- E — ELECTRIC BOX
- SOIL BORING
- MONITORING WELL
- TEST PIT
- BENCHMARK
- RD — ROOF DRAIN
- x322.35 — SPOT ELEVATION
- CC — CONCRETE CURB
- CONC — CONCRETE
- DP — DETECTABLE PAD
- DC — DROP CURB
- BWS — BROKEN WHITE STRIPE
- SYS — SINGLE YELLOW STRIPE
- DYS — DOUBLE YELLOW STRIPE
- SWS — SINGLE WHITE STRIPE
- RCP — REINFORCED CONCRETE PIPE
- DIP — DUCTILE IRON PIPE
- CMP — CORRUGATED METAL PIPE
- NVP — NO VISIBLE PIPE
- EP — EDGE OF PAVEMENT
- LSA — LANDSCAPED AREA
- (S) — SURVEY BEARING & DISTANCE
- (D) — DEED BEARING & DISTANCE

- D — STORM DRAIN
- S — SANITARY LINE
- COMB — COMBINED UTILITY LINE
- UNK — UNKNOWN UTILITY LINE
- G — GAS LINE
- W — WATER LINE
- FW — FIRE WATER LINE
- E — ELECTRIC LINE
- T — TELEPHONE LINE
- C — CABLE TV LINE
- ST — STEAM LINE
- FM — FORCE MAIN
- FO — FIBER OPTIC
- (_)* — REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
- WETLAND LINE
- OVERHEAD WIRE
- GUIDE RAIL METAL
- X — CHAIN LINK FENCE
- WOOD/STOCKADE FENCE
- WIRE FENCE
- O — IRON FENCE
- TREE LINE
- EASEMENT LINE
- PROPERTY LINE
- RIGHT–OF–WAY LINE
- 322 — CONTOUR LINE

50 0 25 50
SCALE: 1"= 50'

Date	Description	No.
	Revisions	

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NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
BOUNDARY & TOPOGRAPHIC SURVEY

Project No.
102054601
Date
JULY 20, 2026
Drawn By
MC
Checked By
MGS

Drawing No.
VT104
Sheet 5 of 7

Project No. 102054601

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LEGEND OF SYMBOLS & ABBREVIATIONS

- HYDRANT
- STREET LIGHT
- AREA LIGHT
- SIGNAL POLE
- POLE
- GUY WIRE
- ANCHOR POLE
- MANHOLE
- MANHOLE (DRAINAGE)
- MANHOLE (SANITARY SEWER)
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- WATER VALVE
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- EASEMENT LINE
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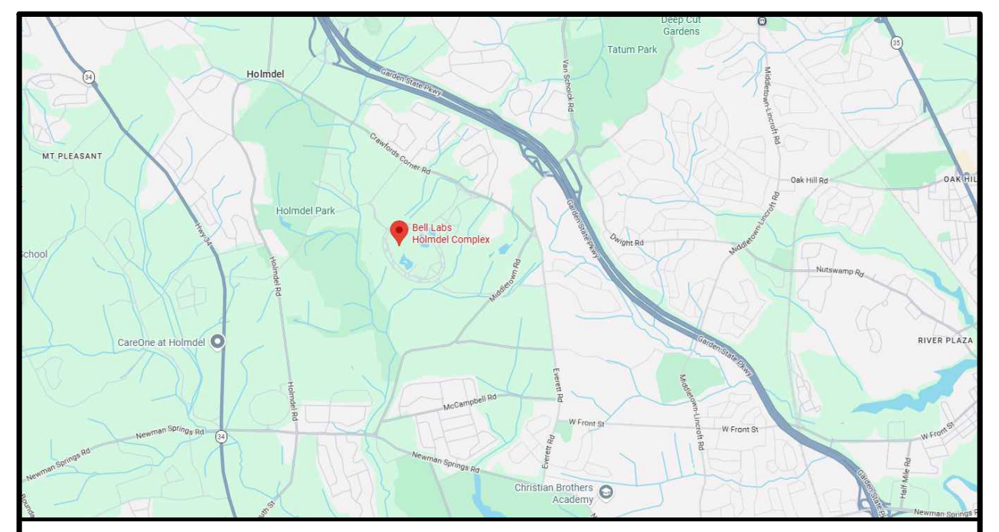
- RIGHT-OF-WAY LINE
- 322 — CONTOUR LINE


Holmdel
MT PLEASANT
Holmdel Park
Bell Labs Holmdel Complex
Tatum Park
Deep Cut Gardens
Garden State Pkwy
Crawfords Corner Rd
Middletown Rd
Holmdel Rd
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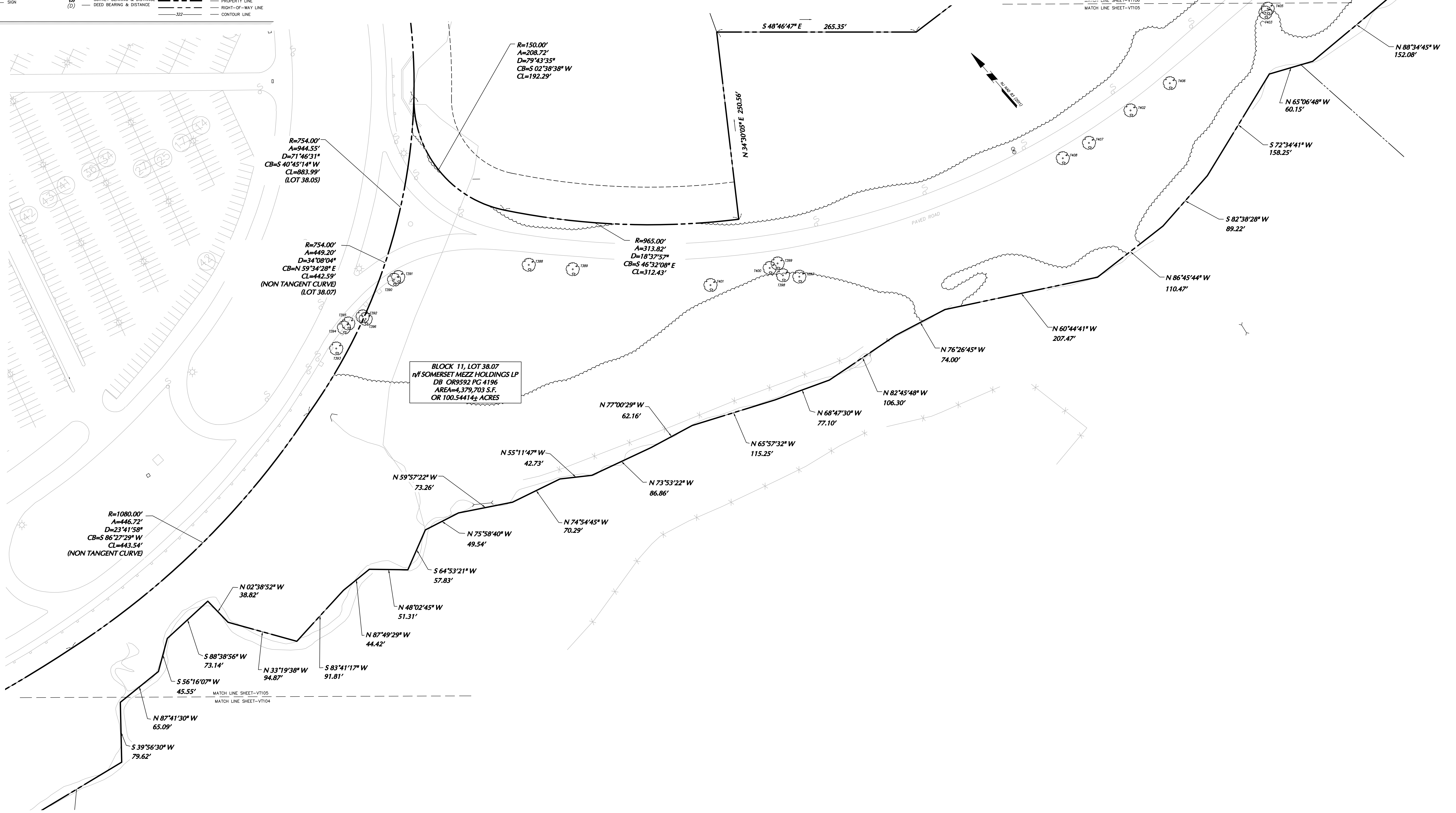
Oak Hill Rd
Dwight Rd
Nutswamp Rd
RIVER PLAZA
CareOne at Holmdel
McCampbell Rd
Everett Rd
W Front St
Newman Springs Rd
Christian Brothers Academy
Hwy 34
Half Mile Rd

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:

GOOGLE MAPS


MATCH LINE SHEET–VT106
MATCH LINE SHEET–VT105
S 48°46'47" E 265.35'
N 34°30'05" E 250.56'
R=150.00'
A=208.72'
D=79°43'35"
CB=S 02°38'38" W
CL=192.29'
R=754.00'
A=944.55'
D=71°46'31"
CB=S 40°45'14" W
CL=883.99'
(LOT 38.05)
R=965.00'
A=313.82'
D=18°37'57"
CB=S 46°32'08" E
CL=312.43'
R=754.00'
A=449.20'
D=34°08'04"
CB=N 59°34'28" E
CL=442.59'
(NON TANGENT CURVE)
(LOT 38.07)
NJ NAD 83 (2011)
PAVED ROAD
T388
T389
T390
T391
T392
T393
T394
T395
T396
T397
T398
T399
T400
T401
T402
T403
T405
T406
T407
T408
N 88°34'45" W 152.08'
N 65°06'48" W 60.15'
S 72°34'41" W 158.25'
S 82°38'28" W 89.22'
N 86°45'44" W 110.47'
N 60°44'41" W 207.47'
N 76°26'45" W 74.00'
N 82°45'48" W 106.30'
N 68°47'30" W 77.10'
N 65°57'32" W 115.25'
N 77°00'29" W 62.16'
N 73°53'22" W 86.86'
N 55°11'47" W 42.73'
N 74°54'45" W 70.29'
N 59°57'22" W 73.26'
N 75°58'40" W 49.54'
S 64°53'21" W 57.83'
N 48°02'45" W 51.31'
N 87°49'29" W 44.42'
S 83°41'17" W 91.81'
N 33°19'38" W 94.87'
N 02°38'52" W 38.82'
S 88°38'56" W 73.14'
S 56°16'07" W 45.55'
N 87°41'30" W 65.09'
S 39°56'30" W 79.62'
R=1080.00'
A=446.72'
D=23°41'58"
CB=S 86°27'29" W
CL=443.54'
(NON TANGENT CURVE)
MATCH LINE SHEET–VT105
MATCH LINE SHEET–VT104

BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB OR9592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES

50 0 25 50
SCALE: 1"= 50'

Date	Description	No.
	Revisions	

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Matthew Sipple

No. 24GS04332100

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PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

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Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
BOUNDARY & TOPOGRAPHIC SURVEY

Project No. 102054601
Date JULY 20, 2026
Drawn By MC
Checked By MGS

Drawing No. VT105

Sheet 6 of 7

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LANGAN

Project No. 102054601

LEGEND OF SYMBOLS & ABBREVIATIONS

	HYDRANT
	STREET LIGHT
	AREA LIGHT
	SIGNAL POLE
	POLE
	GUY WIRE
Ⓐ	ANCHOR POLE
○	MANHOLE
Ⓓ	MANHOLE (DRAINAGE)
Ⓢ	MANHOLE (SANITARY SEWER)
Ⓔ	MANHOLE (ELECTRIC)
Ⓦ	MANHOLE (WATER)
Ⓖ	MANHOLE (NATURAL GAS)
Ⓣ	MANHOLE (TELEPHONE)
FM	MANHOLE (FORCE MAIN)
ST	MANHOLE (STEAM)
Ⓤ	MANHOLE (UNKNOWN UTILITY)
W	WATER VALVE
G	GAS VALVE
	SHRUB
	CATCH BASIN
CO	CLEAN OUT
	TREE
	SIGN

●	BOLLARD
	PEDESTRIAN WALK SIGNAL
△	DOOR
	DOUBLE DOOR
⊠	OVERHEAD DOOR
	PARKING METER
MC	METAL COVER
E	ELECTRIC BOX
	SOIL BORING
	MONITORING WELL
◪	TEST PIT
	BENCHMARK
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✳	WIRE FENCE
O	IRON FENCE
	TREE LINE
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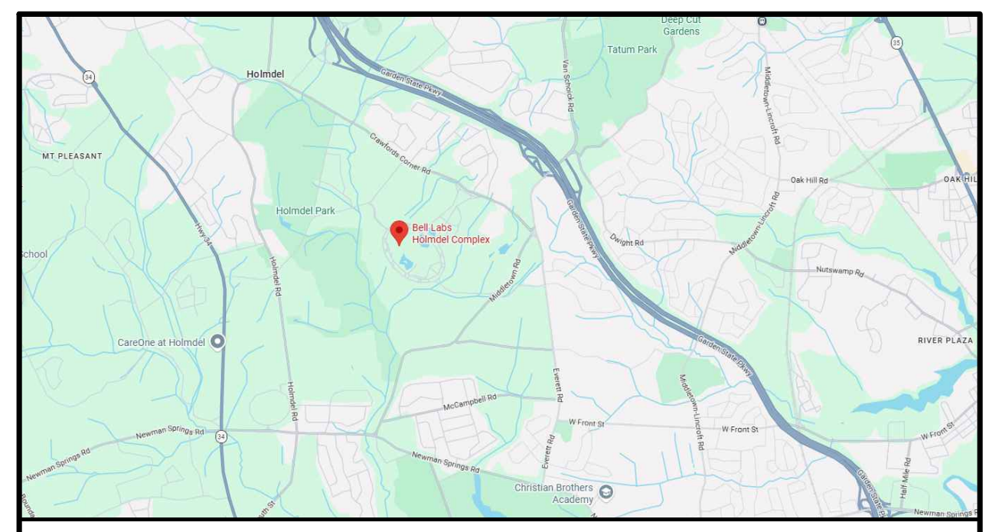
	PROPERTY LINE
	RIGHT-OF-WAY LINE
322	CONTOUR LINE


Holmdel
MT PLEASANT
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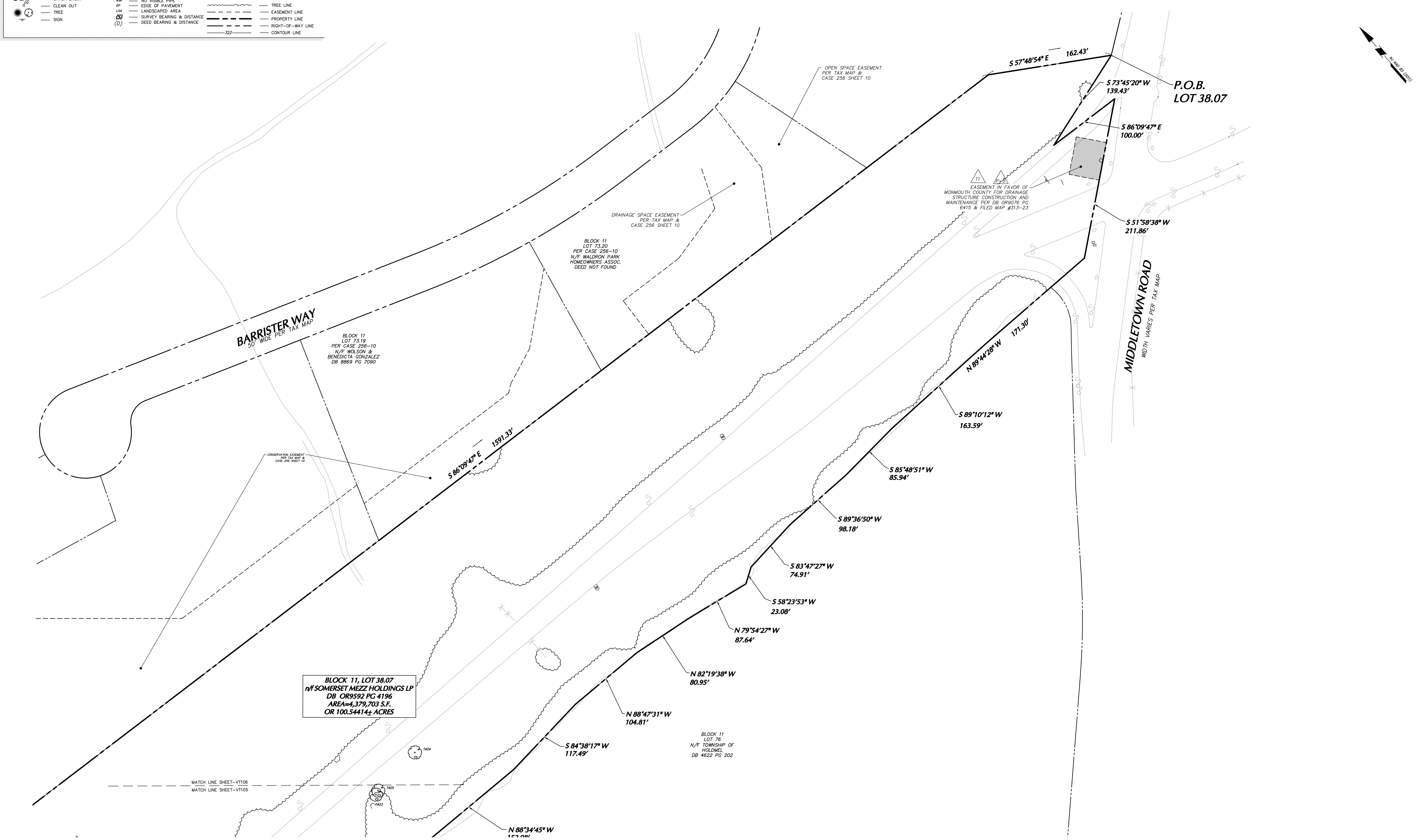
Tatum Park
Deep Cut Gardens
Middletown-Lincroft Rd
Oak Hill Rd
Dwight Rd
Nutswamp Rd
RIVER PLAZA
Half Mile Rd
OAK HILL

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:
GOOGLE MAPS


NJ NAD 83 (2011)
S 57°48'54" E
162.43'
P.O.B.
LOT 38.07
S 73°45'20" W
139.43'
S 86°09'47" E
100.00'
S 51°58'38" W
211.86'
11
P-5
EASEMENT IN FAVOR OF MONMOUTH COUNTY FOR DRAINAGE STRUCTURE CONSTRUCTION AND MAINTENANCE PER DB OR9076 PG 6415 & FILED MAP #313-23
OPEN SPACE EASEMENT PER TAX MAP & CASE 256 SHEET 10
DRAINAGE SPACE EASEMENT PER TAX MAP & CASE 256 SHEET 10
BLOCK 11 LOT 73.20 PER CASE 256-10 N/F WALDRON PARK HOMEOWNERS ASSOC. DEED NOT FOUND
BARRISTER WAY
50' WIDE PER TAX MAP
BLOCK 11 LOT 73.19 PER CASE 256-10 N/F WOLSON & BENEDICTA GONZALEZ DB 8869 PG 7090
CONSERVATION EASEMENT PER TAX MAP & CASE 256 SHEET 10
S 86°09'47" E
1591.33'
MIDDLETOWN ROAD
WIDTH VARIES PER TAX MAP
N 89°44'28" W
171.30'
S 89°10'12" W
163.59'
S 85°48'51" W
85.94'
S 89°36'50" W
98.18'
S 83°47'27" W
74.91'
S 58°23'53" W
23.08'
N 79°54'27" W
87.64'
N 82°19'38" W
80.95'
N 88°47'31" W
104.81'
S 84°38'17" W
117.49'
N 88°34'45" W
BLOCK 11 LOT 76 N/F TOWNSHIP OF HOLDMEL DB 4622 PG 202
T404
T405
T403
MATCH LINE SHEET-VT106
MATCH LINE SHEET-VT105

BLOCK 11, LOT 38.07
n/f SOMERSET MEZZ HOLDINGS LP
DB OR9592 PG 4196
AREA=4,379,703 S.F.
OR 100.54414± ACRES

50 0 25 50
SCALE: 1"= 50'

Date	Description	No.
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HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
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Project No.
102054601
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JULY 20, 2026
Drawn By
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Checked By
MGS

Drawing No.
VT106
Sheet 7 of 7

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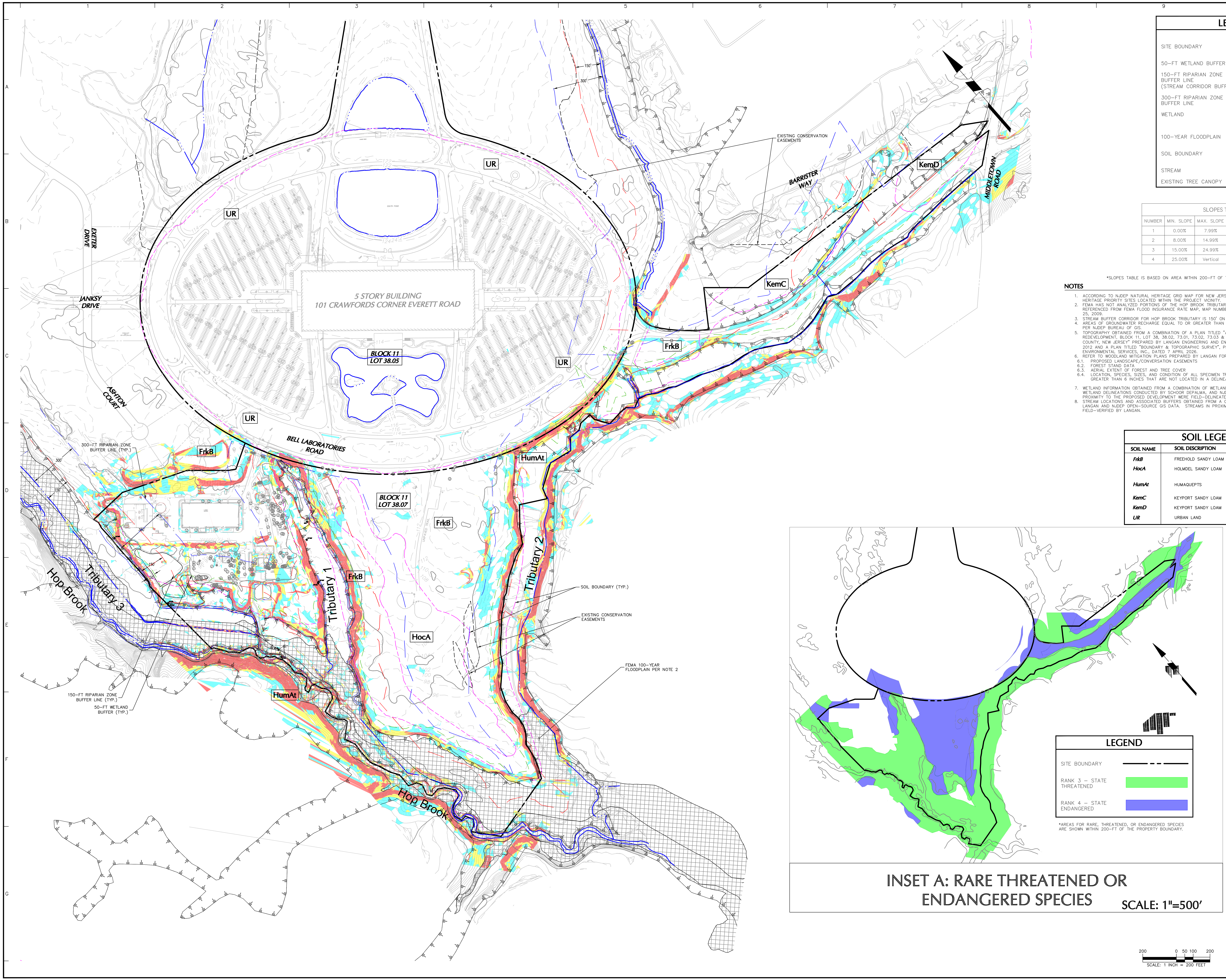
1
2
3
4
5
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7
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9
10
A
B
C
D
E
F
G
UR
UR
UR
UR
5 STORY BUILDING
101 CRAWFORDS CORNER EVERETT ROAD
BLOCK 11
LOT 38.05
BLOCK 11
LOT 38.07
EXETER DRIVE
JANKSY DRIVE
ASHTON COURT
BELL LABORATORIES ROAD
BARRISTER WAY
MIDDLETOWN ROAD
EXISTING CONSERVATION EASEMENTS
150'
300'
KemD
KemC
FrkB
FrkB
FrkB
FrkB
HumAt
HumAt
HocA
300-FT RIPARIAN ZONE BUFFER LINE (TYP.)
300'
150'
Tributary 3
Hop Brook
Tributary 1
Tributary 2
SOIL BOUNDARY (TYP.)
EXISTING CONSERVATION EASEMENTS
FEMA 100-YEAR FLOODPLAIN PER NOTE 2
150-FT RIPARIAN ZONE BUFFER LINE (TYP.)
50-FT WETLAND BUFFER (TYP.)
Hop Brook

LEGEND

SITE BOUNDARY	▬ ▬ ▬
50-FT WETLAND BUFFER	– – –
150-FT RIPARIAN ZONE BUFFER LINE (STREAM CORRIDOR BUFFER)	— — —
300-FT RIPARIAN ZONE BUFFER LINE	— — —
WETLAND	┬ ┬ ┬
100-YEAR FLOODPLAIN	▦
SOIL BOUNDARY	- - -
STREAM	— · · · —
EXISTING TREE CANOPY	︶︶︶

SLOPES TABLE

NUMBER	MIN. SLOPE	MAX. SLOPE	AREA (SF)	% OF TOTAL AREA	COLOR
1	0.00%	7.99%	5,988,526	76.19%	
2	8.00%	14.99%	783,871	9.97%	🟦
3	15.00%	24.99%	433,419	5.52%	🟨
4	25.00%	Vertical	653,912	8.32%	🟥

*SLOPES TABLE IS BASED ON AREA WITHIN 200-FT OF THE PROPERTY BOUNDARY.

NOTES

1. ACCORDING TO NJDEP NATURAL HERITAGE GRID MAP FOR NEW JERSEY, THERE ARE NO FORESTED NATURAL HERITAGE PRIORITY SITES LOCATED WITHIN THE PROJECT VICINITY.
2. FEMA HAS NOT ANALYZED PORTIONS OF THE HOP BROOK TRIBUTARY. THE 100-YEAR FLOODPLAIN SHOWN IS REFERENCED FROM FEMA FLOOD INSURANCE RATE MAP, MAP NUMBER 34025C0156F, EFFECTIVE DATE SEPTEMBER 25, 2009.
3. STREAM BUFFER CORRIDOR FOR HOP BROOK TRIBUTARY IS 150' ON EACH SIDE.
4. AREAS OF GROUNDWATER RECHARGE EQUAL TO OR GREATER THAN THE MEDIAN RECHARGE RATE WAS NOT FOUND PER NJDEP BUREAU OF GIS.
5. TOPOGRAPHY OBTAINED FROM A COMBINATION OF A PLAN TITLED "ALTA/ACSM LAND SURVEY, HOLMDEL REDEVELOPMENT, BLOCK 11, LOT 38, 38.02, 73.01, 73.02, 73.03 & 73.04, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY" PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES , DATED 31 DECEMBER 2012 AND A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 7 APRIL 2026.
6. REFER TO WOODLAND MITIGATION PLANS PREPARED BY LANGAN FOR THE FOLLOWING:
   - 6.1. PROPOSED LANDSCAPE/CONVERSATION EASEMENTS
   - 6.2. FOREST STAND DATA
   - 6.3. AERIAL EXTENT OF FOREST AND TREE COVER
   - 6.4. LOCATION, SPECIES, SIZES, AND CONDITION OF ALL SPECIMEN TREES AND ALL INDIVIDUAL TREES WITH DBH GREATER THAN 6 INCHES THAT ARE NOT LOCATED IN A DELINEATED FOREST STAND.
7. WETLAND INFORMATION OBTAINED FROM A COMBINATION OF WETLAND DELINEATIONS CONDUCTED BY LANGAN, WETLAND DELINEATIONS CONDUCTED BY SCHOOR DEPALMA, AND NJDEP OPEN-SOURCE GIS DATA. WETLANDS IN PROXIMITY TO THE PROPOSED DEVELOPMENT WERE FIELD-DELINEATED BY LANGAN.
8. STREAM LOCATIONS AND ASSOCIATED BUFFERS OBTAINED FROM A COMBINATION OF SITE WALKS CONDUCTED BY LANGAN AND NJDEP OPEN-SOURCE GIS DATA. STREAMS IN PROXIMITY TO THE PROPOSED DEVELOPMENT WERE FIELD-VERIFIED BY LANGAN.

SOIL LEGEND

SOIL NAME	SOIL DESCRIPTION	NATIVE FOREST SPECIES
FrkB	FREEHOLD SANDY LOAM	NONE LISTED IN HOLMDEL
HocA	HOLMDEL SANDY LOAM	NORTHERN RED OAK, SWEETGUM, YELLOW-POPULAR
HumAt	HUMAQUEPTS	PIN OAK, RED MAPLE, SWEETGUM
KemC	KEYPORT SANDY LOAM	NONE LISTED IN HOLMDEL
KemD	KEYPORT SANDY LOAM	NONE LISTED IN HOLMDEL
UR	URBAN LAND	NONE

LEGEND

SITE BOUNDARY	▬ ▬ ▬
RANK 3 – STATE THREATENED	🟩
RANK 4 – STATE ENDANGERED	🟦

*AREAS FOR RARE, THREATENED, OR ENDANGERED SPECIES ARE SHOWN WITHIN 200-FT OF THE PROPERTY BOUNDARY.

INSET A: RARE THREATENED OR ENDANGERED SPECIES

SCALE: 1"=500'

200 0 50 100 200
SCALE: 1 INCH = 200 FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

LANGAN
Langan Engineering and
Environmental Services, LLC

300 Kimball Drive
Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ Certificate of Authorization No. 24GA27996400

Project
DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title
NATURAL RESOURCE SURVEY MAP

Project No. **102054601**
Date **7/24/2026**
Drawn By **ET**
Checked By **LDS**
Drawing No. **WN101**

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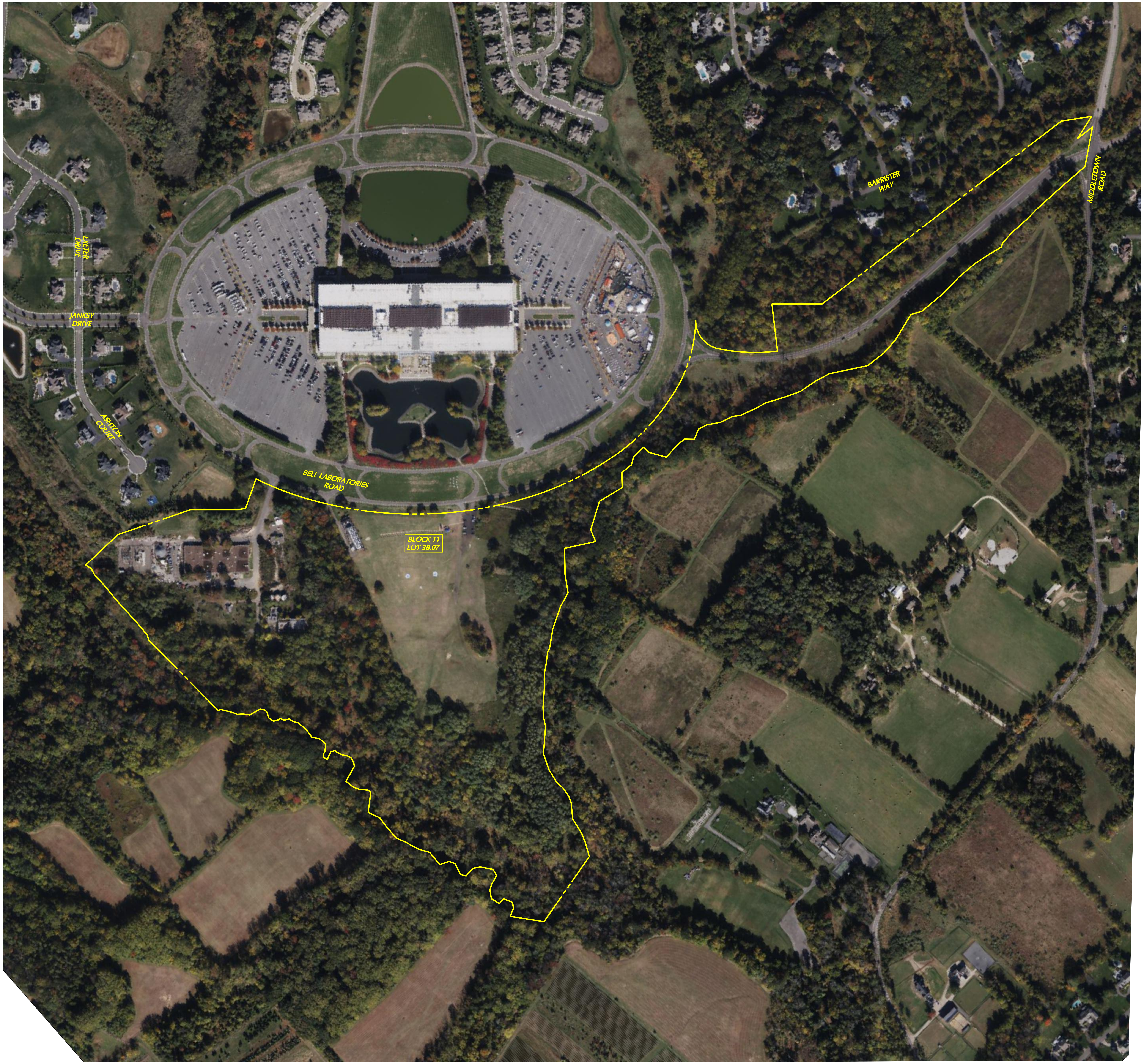
BARRISTER WAY
MIDDLETOWN ROAD
EXETER DRIVE
JANKSY DRIVE
ASHTON COURT
BELL LABORATORIES ROAD
BLOCK 11
LOT 38.07

LEGEND

SITE BOUNDARY	▬ ▬ · ▬

NOTE

1. AERIAL IMAGE OBTAINED FROM MICROSOFT BING. 2026 MICROSOFT COOPERATION

200 0 50 100 200
SCALE: 1 INCH = 200 FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

AERIAL MAP

Project No. **102054601**	Drawing No. WN102
Date **7/24/2026**	
Drawn By **ET**	
Checked By **LDS**	

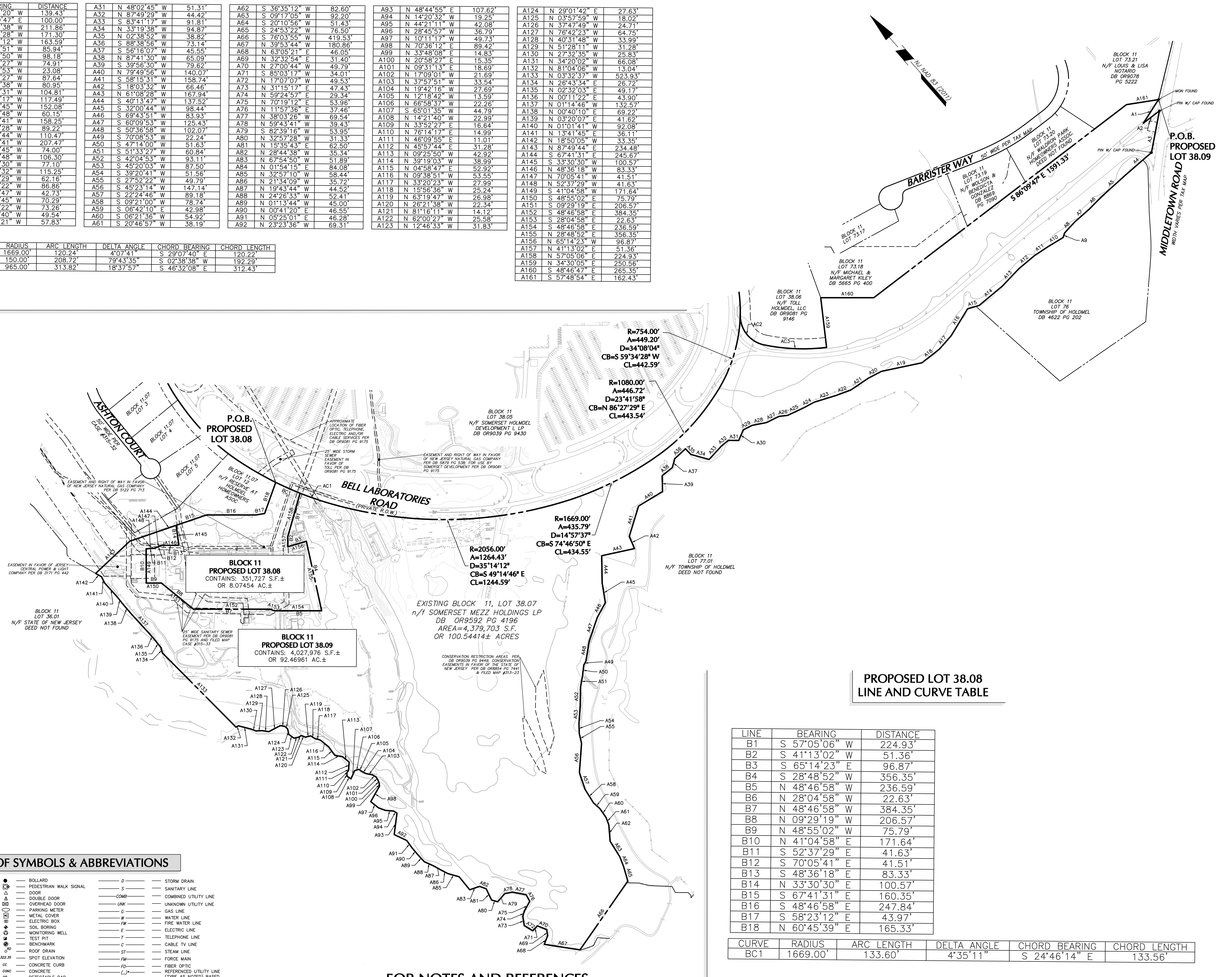
Project No. 102054601

© 2026 Langan

PROPOSED LOT 38.09 LINE AND CURVE TABLE

LINE	BEARING	DISTANCE
A1	S 73°45'20" W	139.43'
A2	S 86°09'47" E	100.00'
A3	S 51°58'38" W	211.86'
A4	N 89°44'28" W	171.30'
A5	S 89°10'12" W	163.59'
A6	S 85°48'51" W	85.94'
A7	S 89°36'50" W	98.18'
A8	S 83°47'27" W	74.91'
A9	S 58°23'53" W	23.08'
A10	N 79°54'27" W	87.64'
A11	N 82°19'38" W	80.95'
A12	N 88°47'31" W	104.81'
A13	S 84°38'17" W	117.49'
A14	N 88°34'45" W	152.08'
A15	N 65°06'48" W	60.15'
A16	S 72°34'41" W	158.25'
A17	S 82°38'28" W	89.22'
A18	N 86°45'44" W	110.47'
A19	N 60°44'41" W	207.47'
A20	N 76°26'45" W	74.00'
A21	N 82°45'48" W	106.30'
A22	N 68°47'30" W	77.10'
A23	N 65°57'32" W	115.25'
A24	N 77°00'29" W	62.16'
A25	N 73°53'22" W	86.86'
A26	N 55°11'47" W	42.73'
A27	N 74°54'45" W	70.29'
A28	N 59°57'22" W	73.26'
A29	N 75°58'40" W	49.54'
A30	S 64°53'21" W	57.83'
A31	N 48°02'45" W	51.31'
A32	N 87°49'29" W	44.42'
A33	S 83°41'17" W	91.81'
A34	N 33°19'38" W	94.87'
A35	N 02°38'52" W	38.82'
A36	S 88°38'56" W	73.14'
A37	S 56°16'07" W	45.55'
A38	N 87°41'30" W	65.09'
A39	S 39°56'30" W	79.62'
A40	N 79°49'56" W	140.07'
A41	S 58°15'31" W	158.74'
A42	S 18°03'32" W	66.46'
A43	N 61°08'28" W	167.94'
A44	S 40°13'47" W	137.52'
A45	S 32°00'44" W	98.44'
A46	S 69°43'51" W	83.93'
A47	S 60°09'53" W	125.43'
A48	S 50°36'58" W	102.07'
A49	S 70°08'53" W	22.24'
A50	S 47°14'00" W	51.63'
A51	S 51°33'27" W	60.84'
A52	S 42°04'53" W	93.11'
A53	S 45°20'03" W	87.50'
A54	S 39°20'41" W	51.56'
A55	S 27°52'22" W	49.79'
A56	S 45°23'14" W	147.14'
A57	S 22°24'46" W	89.18'
A58	S 09°21'00" W	78.74'
A59	S 06°42'10" E	42.98'
A60	S 06°21'36" W	54.92'
A61	S 20°46'57" W	38.19'
A62	S 36°35'12" W	82.60'
A63	S 09°17'05" W	92.20'
A64	S 20°10'56" W	51.43'
A65	S 24°53'22" W	76.50'
A66	S 76°03'55" W	419.53'
A67	N 39°53'44" W	180.86'
A68	N 63°05'21" E	46.05'
A69	N 32°32'54" E	31.40'
A70	N 27°00'44" W	49.79'
A71	S 85°03'17" W	34.01'
A72	N 17°07'07" W	49.53'
A73	N 31°15'17" E	47.43'
A74	N 59°24'57" E	29.34'
A75	N 70°19'12" E	53.96'
A76	N 11°57'36" E	37.46'
A77	N 38°03'26" W	69.54'
A78	N 59°43'41" W	39.43'
A79	S 82°39'16" W	53.95'
A80	N 32°57'28" W	31.33'
A81	N 15°35'43" E	62.50'
A82	N 28°44'38" W	35.34'
A83	N 67°54'50" W	51.89'
A84	N 01°54'15" E	84.08'
A85	N 32°57'10" W	58.44'
A86	N 21°34'09" W	35.72'
A87	N 19°43'44" W	44.52'
A88	N 24°26'33" W	52.41'
A89	N 01°13'44" W	45.00'
A90	N 00°41'20" E	46.55'
A91	N 05°25'01" E	46.28'
A92	N 23°23'36" W	69.31'
A93	N 48°44'55" E	107.62'
A94	N 14°20'32" W	19.25'
A95	N 44°21'11" W	42.08'
A96	N 28°45'57" W	36.79'
A97	N 10°11'17" W	49.73'
A98	N 70°36'12" E	89.42'
A99	N 33°48'08" E	14.83'
A100	N 20°58'27" E	15.35'
A101	N 09°31'13" E	18.69'
A102	N 17°09'01" W	21.69'
A103	N 37°57'51" W	33.54'
A104	N 19°42'16" W	27.69'
A105	N 12°18'42" W	13.59'
A106	N 66°58'37" W	22.26'
A107	S 65°01'35" W	44.79'
A108	N 14°21'40" W	22.99'
A109	N 33°52'27" E	16.64'
A110	N 76°14'17" E	14.99'
A111	N 46°09'55" E	11.01'
A112	N 45°57'44" E	31.28'
A113	N 09°25'50" W	42.92'
A114	N 39°19'03" W	38.99'
A115	N 04°58'47" E	52.92'
A116	N 09°38'51" W	53.55'
A117	N 33°20'23" W	27.99'
A118	N 15°56'36" W	25.24'
A119	N 63°19'47" W	26.98'
A120	N 26°21'38" W	22.34'
A121	N 81°16'11" W	14.12'
A122	N 62°00'27" W	25.58'
A123	N 12°46'33" W	31.83'
A124	N 29°01'42" E	27.63'
A125	N 03°57'59" W	18.02'
A126	N 37°47'49" W	24.71'
A127	N 76°42'23" W	64.75'
A128	N 40°31'48" W	33.99'
A129	N 51°28'11" W	31.28'
A130	N 27°32'35" W	25.83'
A131	N 34°20'02" W	66.08'
A132	N 81°04'06" W	13.04'
A133	N 03°32'37" W	523.93'
A134	N 26°43'34" E	26.72'
A135	N 02°32'03" E	49.17'
A136	N 00°11'22" E	43.90'
A137	N 01°14'46" W	132.57'
A138	N 00°40'10" E	69.22'
A139	N 03°20'07" E	41.62'
A140	N 01°01'41" W	92.08'
A141	N 13°41'45" E	36.11'
A142	N 18°50'05" W	33.35'
A143	N 87°49'44" E	234.48'
A144	S 67°41'31" E	245.67'
A145	S 33°30'30" W	100.57'
A146	N 48°36'18" W	83.33'
A147	N 70°05'41" W	41.51'
A148	N 52°37'29" W	41.63'
A149	S 41°04'58" W	171.64'
A150	S 48°55'02" E	75.79'
A151	S 09°29'19" E	206.57'
A152	S 48°46'58" E	384.35'
A153	S 28°04'58" E	22.63'
A154	S 48°46'58" E	236.59'
A155	N 28°48'52" E	356.35'
A156	N 65°14'23" W	96.87'
A157	N 41°13'02" E	51.36'
A158	N 57°05'06" E	224.93'
A159	N 34°30'05" E	250.56'
A160	S 48°46'47" E	265.35'
A161	S 57°48'54" E	162.43'

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
AC1	1669.00'	120.24'	4°07'41"	S 29°07'40" E	120.22'
AC2	150.00'	208.72'	79°43'35"	S 02°38'38" W	192.29'
AC3	965.00'	313.82'	18°37'57"	S 46°32'08" E	312.43'


NJ NAD 83 (2011)
BARRISTER WAY
50' WIDE PER TAX MAP
BLOCK 11 LOT 73.21 N/F LOUIS & LISA NOTARIO DB OR9078 PG 5222
BLOCK 11 LOT 73.20 N/F WALDRON PARK HOMEOWNERS ASSOC. DEED NOT FOUND
BLOCK 11 LOT 73.19 N/F WOLSON & BENEDICTA GONZALEZ DB 8869 PG 7090
BLOCK 11 LOT 73.17
BLOCK 11 LOT 73.18 N/F MICHAEL & MARGARET KILEY DB 5665 PG 400
BLOCK 11 LOT 38.06 N/F TOLL HOLMDEL, LLC DB OR9081 PG 9146
BLOCK 11 LOT 76 TOWNSHIP OF HOLDMEL DB 4622 PG 202
S 86°09'47" E 1591.33'
MON FOUND
PIN W/ CAP FOUND
PIN W/ CAP FOUND
P.O.B. PROPOSED LOT 38.09
MIDDLETOWN ROAD
WIDTH VARIES PER TAX MAP
R=754.00' A=449.20' D=34°08'04" CB=S 59°34'28" W CL=442.59'
R=1080.00' A=446.72' D=23°41'58" CB=N 86°27'29" E CL=443.54'
R=1669.00' A=435.79' D=14°57'37" CB=S 74°46'50" E CL=434.55'
R=2056.00' A=1264.43' D=35°14'12" CB=S 49°14'46" E CL=1244.59'
BLOCK 11 LOT 38.05 N/F SOMERSET HOLMDEL DEVELOPMENT I, LP DB OR9039 PG 9430
BLOCK 11 LOT 77.01 N/F TOWNSHIP OF HOLDMEL DEED NOT FOUND
BELL LABORATORIES ROAD
(PRIVATE R.O.W.)
ASHTON COURT
50' WIDE PER CASE #315-32
BLOCK 11.07 LOT 3
BLOCK 11.07 LOT 4
BLOCK 11.07 LOT 5
BLOCK 11.07 LOT 12 n/f RESERVE AT HOLMDEL HOMEOWNERS ASOC
P.O.B. PROPOSED LOT 38.08
APPROXIMATE LOCATION OF FIBER OPTIC, TELEPHONE, ELECTRIC AND/OR CABLE SERVICES PER DB OR9081 PG 9175
25' WIDE STORM SEWER EASEMENT IN FAVOR OF TOLL PER DB OR9081 PG 9175
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5879 PG 538; FOR USE BY SOMERSET DEVELOPMENT PER DB OR9081 PG 9175
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5122 PG 713
EASEMENT IN FAVOR OF JERSEY CENTRAL POWER & LIGHT COMPANY PER DB 3171 PG 442
BLOCK 11 LOT 36.01 N/F STATE OF NEW JERSEY DEED NOT FOUND
BLOCK 11 PROPOSED LOT 38.08 CONTAINS: 351,727 S.F.± OR 8.07454 AC.±
BLOCK 11 PROPOSED LOT 38.09 CONTAINS: 4,027,976 S.F.± OR 92.46961 AC.±
25' WIDE SANITARY SEWER EASEMENT PER DB OR9081 PG 9175 AND FILED MAP CASE #315-33
EXISTING BLOCK 11, LOT 38.07 n/f SOMERSET MEZZ HOLDINGS LP DB OR9592 PG 4196 AREA=4,379,703 S.F. OR 100.54414± ACRES
CONSERVATION RESTRICTION AREAS PER DB OR9039 PG 9449; CONSERVATION EASEMENTS IN FAVOR OF THE STATE OF NEW JERSEY PER DB OR8854 PG 7441 & FILED MAP #313-23
AC1
AC2
AC3
BC1

PROPOSED LOT 38.08 LINE AND CURVE TABLE

LINE	BEARING	DISTANCE
B1	S 57°05'06" W	224.93'
B2	S 41°13'02" W	51.36'
B3	S 65°14'23" E	96.87'
B4	S 28°48'52" W	356.35'
B5	N 48°46'58" W	236.59'
B6	N 28°04'58" W	22.63'
B7	N 48°46'58" W	384.35'
B8	N 09°29'19" W	206.57'
B9	N 48°55'02" W	75.79'
B10	N 41°04'58" E	171.64'
B11	S 52°37'29" E	41.63'
B12	S 70°05'41" E	41.51'
B13	S 48°36'18" E	83.33'
B14	N 33°30'30" E	100.57'
B15	S 67°41'31" E	160.35'
B16	S 48°46'58" E	247.84'
B17	S 58°23'12" E	43.97'
B18	N 60°45'39" E	165.33'

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
BC1	1669.00'	133.60'	4°35'11"	S 24°46'14" E	133.56'

FOR NOTES AND REFERENCES
SEE SHEET CB102

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:
GOOGLE MAPS

APPROVED BY THE PLANNING BOARD OF THE TOWNSHIP OF HOLMDEL

ON____

BOARD CHAIRMAN DATE

BOARD SECRETARY DATE

BOARD ENGINEER DATE

APPROVED BY THE
COUNTY PLANNING BOARD
COUNTY OF MONMOUTH, NEW JERSEY

ATTESTED BY: (AFFIX SEAL) DATE

OWNER'S CONSENT - BLOCK 11, LOT

THE UNDERSIGNED ENTITY, ORGANIZED UNDER THE STATE OF NEW JERSEY, HEREBY DECLARES THAT IT IS THE RECORD HOLDER OF TITLE TO THE LANDS DELINEATED ON THIS MAP AND CONSENT TO THE FILING THEREOF.

NAME DATE

SWORN AND SUBSCRIBED TO BEFORE ME THIS ________ DAY OF ________________, 20__.

NOTARY PUBLIC OF THE STATE OF NEW JERSEY DATE

I CERTIFY THAT THIS MAP HAS BEEN MADE UNDER MY SUPERVISION AND COMPLIES WITH TITLE 46 OF THE REVISED STATUES (N.J.S.A. 46: 26A-1 THROUGH 46: 26B-8 ET SEQ.)

SURVEYOR (SEAL) DATE

MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

OWNER: BLOCK 11 LOT 38.07
SOMERSET MEZZ HOLDINGS LP
101 CRAWFORDS CORNER ROAD
HOLMDEL, NJ 07733

ENGINEERS CERTIFICATION

I HAVE CAREFULLY EXAMINED THIS MAP AND TO THE BEST OF MY KNOWLEDGE AND BELIEF FIND IT CONFORMS WITH THE PROVISIONS OF TITLE 46 OF THE REVISED STATUES (N.J.S.A. 46: 26A-1 THROUGH 46: 26B-8 ET SEQ.) RESOLUTION OF APPROVAL AND APPLICABLE MUNICIPAL ORDINANCES AND REQUIREMENTS.

MUNICIPAL ENGINEER (SEAL) DATE

APPLICANT:
SOMERSET MEZZ HOLDINGS, LP &
TERNA INFRASTRUCTURE USA, INC.

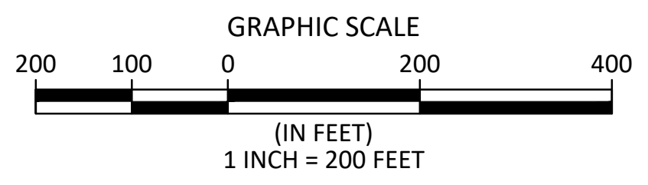
DATE OF FILING

THIS IS TO CERTIFY THAT THE PLANNING BOARD IS THE PROPER AUTHORITY TO APPROVE AND HAS APPROVED THIS MAP. THIS MAP SHALL BE FILED IN THE MONMOUTH COUNTY REGISTER'S OFFICE ON OR BEFORE THE _____DAY OF _______________, _______ WHICH IS ____ DAYS FROM SIGNATURE OF THIS MAP FOR A FINAL MINOR SUBDIVISION.

SECRETARY, CENTRAL PLANNING BOARD DATE

LEGEND OF SYMBOLS & ABBREVIATIONS

- HYDRANT
- STREET LIGHT
- AREA LIGHT
- SIGNAL POLE
- POLE
- GUY WIRE
- ANCHOR POLE
- MANHOLE
- MANHOLE (DRAINAGE)
- MANHOLE (SANITARY SEWER)
- MANHOLE (ELECTRIC)
- MANHOLE (WATER)
- MANHOLE (NATURAL GAS)
- MANHOLE (TELEPHONE)
- MANHOLE (FORCE MAIN)
- MANHOLE (STEAM)
- MANHOLE (UNKNOWN UTILITY)
- WATER VALVE
- GAS VALVE
- SHRUB
- CATCH BASIN
- CO — CLEAN OUT
- TREE
- SIGN
- BOLLARD
- PEDESTRIAN WALK SIGNAL
- DOOR
- DOUBLE DOOR
- OVERHEAD DOOR
- PARKING METER
- MC — METAL COVER
- E — ELECTRIC BOX
- SOIL BORING
- MONITORING WELL
- TEST PIT
- BENCHMARK
- RD — ROOF DRAIN
- x322.35 — SPOT ELEVATION
- CC — CONCRETE CURB
- CONC — CONCRETE
- DP — DETECTABLE PAD
- DC — DROP CURB
- BWS — BROKEN WHITE STRIPE
- SYS — SINGLE YELLOW STRIPE
- DYS — DOUBLE YELLOW STRIPE
- SWS — SINGLE WHITE STRIPE
- RCP — REINFORCED CONCRETE PIPE
- DIP — DUCTILE IRON PIPE
- CMP — CORRUGATED METAL PIPE
- NVP — NO VISIBLE PIPE
- EP — EDGE OF PAVEMENT
- LSA — LANDSCAPED AREA
- (S) — SURVEY BEARING & DISTANCE
- (D) — DEED BEARING & DISTANCE
- D — STORM DRAIN
- S — SANITARY LINE
- COMB — COMBINED UTILITY LINE
- UNK — UNKNOWN UTILITY LINE
- G — GAS LINE
- W — WATER LINE
- FW — FIRE WATER LINE
- E — ELECTRIC LINE
- T — TELEPHONE LINE
- C — CABLE TV LINE
- ST — STEAM LINE
- FM — FORCE MAIN
- FO — FIBER OPTIC
- (_)* — REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
- WETLAND LINE
- OVERHEAD WIRE
- GUIDE RAIL METAL
- CHAIN LINK FENCE
- WOOD/STOCKADE FENCE
- WIRE FENCE
- IRON FENCE
- TREE LINE
- EASEMENT LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- 322 — CONTOUR LINE


GRAPHIC SCALE
200
100
0
200
400
(IN FEET)
1 INCH = 200 FEET

Date	Description	No.
Revisions		

Matthew G. Sipple
Digitally signed by Matthew G Sipple
Date: 2026.07.23 16:17:34-04'00'
No. 24GS04332100
THIS PLAN/DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH NJAC 13:40-8.1A

SIGNATURE DATE
MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

LANGAN
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Parsippany, NJ 07054
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NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
MINOR SUBDIVISION PLAN

Project No. 102054601
Date JULY 23, 2026
Drawn By MC
Checked By MGS

Drawing No.
CB101
Sheet 1 of 2

Project No. 102054601

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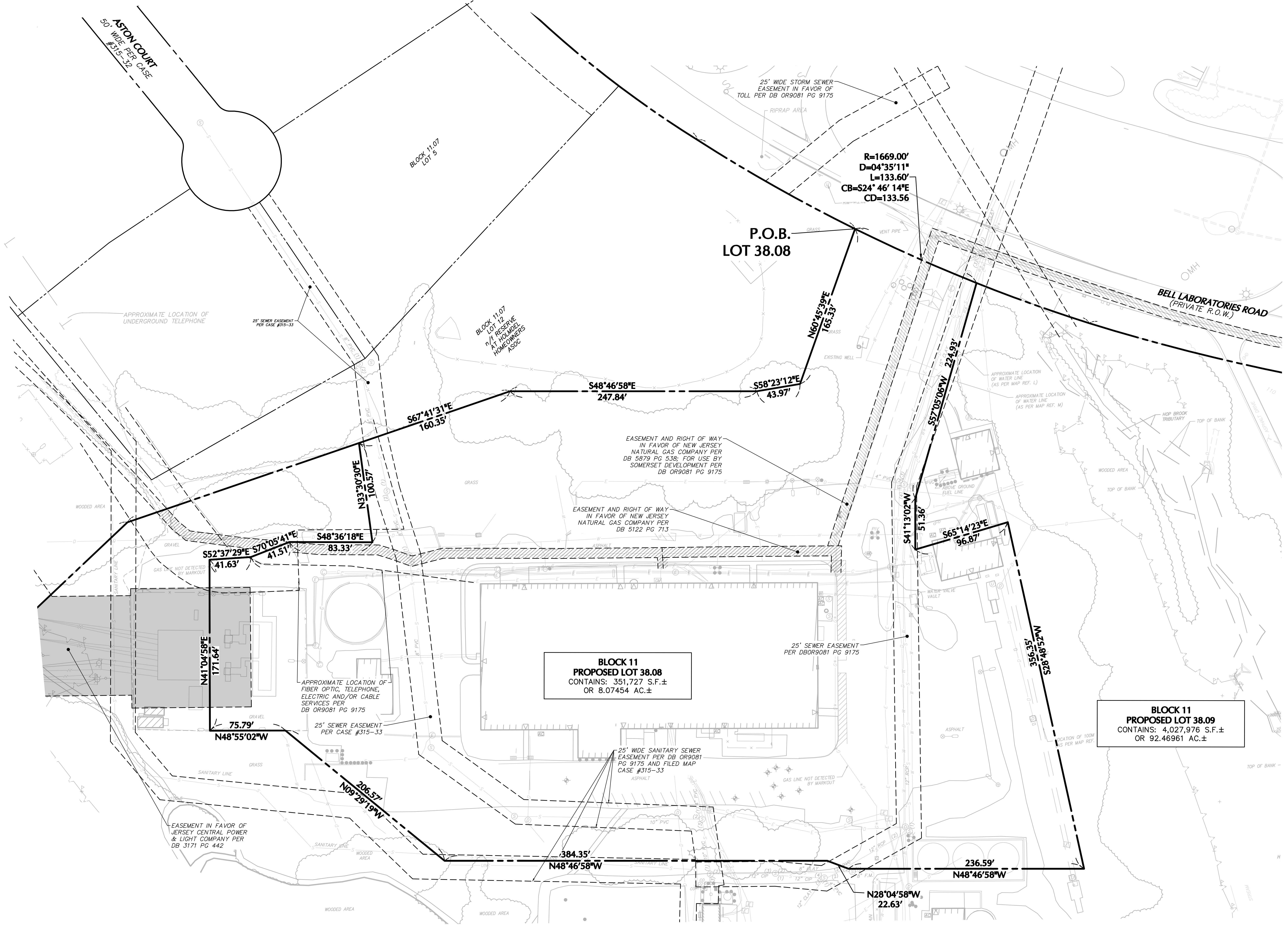
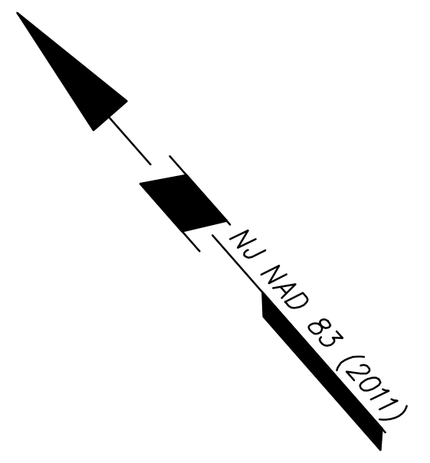

ASTON COURT
50' WIDE PER CASE #315-32
BLOCK 11.07 LOT 5
APPROXIMATE LOCATION OF UNDERGROUND TELEPHONE
25' SEWER EASEMENT PER CASE #315-33
BLOCK 11.07 LOT 12 n/f RESERVE AT HOLMDEL HOMEOWNERS ASOC
25' WIDE STORM SEWER EASEMENT IN FAVOR OF TOLL PER DB OR9081 PG 9175
RIPRAP AREA
R=1669.00'
D=04°35'11"
L=133.60'
CB=S24° 46' 14"E
CD=133.56
P.O.B.
LOT 38.08
BELL LABORATORIES ROAD
(PRIVATE R.O.W.)
N60°45'39"E
165.33'
S58°23'12"E
43.97'
S48°46'58"E
247.84'
S67°41'31"E
160.35'
N33°30'30"E
100.57'
S48°36'18"E
83.33'
S70°05'41"E
41.51'
S52°37'29"E
41.63'
N41°04'58"E
171.64'
75.79'
N48°55'02"W
206.57'
N09°29'19"W
384.35'
N48°46'58"W
N28°04'58"W
22.63'
236.59'
N48°46'58"W
S28°48'52"W
356.35'
S65°14'23"E
96.87'
S41°13'02"W
51.36'
S57°05'06"W
224.93'
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5879 PG 538; FOR USE BY SOMERSET DEVELOPMENT PER DB OR9081 PG 9175
EASEMENT AND RIGHT OF WAY IN FAVOR OF NEW JERSEY NATURAL GAS COMPANY PER DB 5122 PG 713
APPROXIMATE LOCATION OF WATER LINE (AS PER MAP REF. L)
APPROXIMATE LOCATION OF WATER LINE (AS PER MAP REF. M)
HOP BROOK TRIBUTARY
TOP OF BANK
WOODED AREA
EXISTING WELL
VENT PIPE
GRASS
GRAVEL
ASPHALT
GAS LINE NOT DETECTED BY MARKOUT
SANITARY LINE
ABOVE GROUND FUEL LINE
WATER VALVE VAULT
25' SEWER EASEMENT PER DBOR9081 PG 9175
BLOCK 11
PROPOSED LOT 38.08
CONTAINS: 351,727 S.F.±
OR 8.07454 AC.±
APPROXIMATE LOCATION OF FIBER OPTIC, TELEPHONE, ELECTRIC AND/OR CABLE SERVICES PER DB OR9081 PG 9175
25' SEWER EASEMENT PER CASE #315-33
25' WIDE SANITARY SEWER EASEMENT PER DB OR9081 PG 9175 AND FILED MAP CASE #315-33
EASEMENT IN FAVOR OF JERSEY CENTRAL POWER & LIGHT COMPANY PER DB 3171 PG 442
BLOCK 11
PROPOSED LOT 38.09
CONTAINS: 4,027,976 S.F.±
OR 92.46961 AC.±
STREAM


NJ NAD 83 (2011)

PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE:
GOOGLE MAPS

MAP REFERENCES

THIS SURVEY IS BASED UPON PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, AND THE FOLLOWING REFERENCES:

A. MAP ENTITLED "MAJOR SUBDIVISION PLAN (PROPOSED CONFIGURATION), HOLMDEL REDEVELOPMENT, BLOCK NO. 11, LOT NO. 38, 38.02, 73.01, 73.02, 73.03 & 73.04, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONEMENTAL SERVICES, INC., DATED 12/31/2012, LAST REVISED 5/23/2014, AND FILED IN THE MONMOUTH COUNTY CLERK'S OFFICE ON 9/11/2014 AS CASE 313, SHEET 23.

B. MAP ENTITLED "PENELOPE PARK, HOLMDEL TOWNSHIP, MON. COUNTY, N.J.", PREPARED BY ARTHUR SWIFT DATED 12/28/1951, LAST REVISED 6/10/1952, AND FILED IN THE MONMOUTH COUNTY CLERK'S OFFICE ON 9/22/1952 AS CASE 12, SHEET 29.

C. SET OF PLANS ENTITLED "PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN, THE RESERVE AT HOLMDEL, BLOCK NO. 11, LOT NO. 38.03, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY LANGAN, DATED 4/01/2014, LAST REVISED 10/20/2015, CONSISTING OF SEVEN SHEETS FILED IN THE MONMOUTH COUNTY CLERK'S OFFICE ON 2/26/2016 AS CASE 315, SHEET 32, CASE 315 SHEET 33, CASE 315 SHEET 34, CASE 315 SHEET 35, CASE 316 SHEET 1, CASE 316 SHEET 2 AND CASE 316 SHEET 3.

D. MAP ENTITLED "SURVEY OF PROPERTY PREPARED FOR THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION GREEN ACRES PARCEL, SITUATED IN HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY ABBINGTON ASSOCIATES, INC., DATED 5/4/2001, LAST REVISED 11/2/2001.

E. MAP ENTITLED "ALTA/ACSM LAND TITLE SURVEY, HOLMDEL REDEVELOPMENT, BLOCK NO. 11, LOT NO. 38, 38.02, 73.01, 73.02, 73.03 & 73.04, HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY LANGAN, DATED 12/31/2012.

F. THE TAX MAPS OF THE TOWNSHIP OF HOLMDEL, MONMOUTH COUNTY, NEW JERSEY, SHEET NOS. 10, 11, 11.01, 11.02, 12, 13 & 14.

G. PRO FORMA PREPARED BY MADISON TITLE AGENCY, LLC, AGENTS FOR OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, FILE NO. MTANJ–174164, WITH A COMMITMENT DATE OF JANUARY 28, 2022.

H. MAP ENTITLED "FINAL PLAT, BROOKSIDE, SITUATED IN HOLMDEL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY" PREPARED BY ABBINGTON ASSOCIATES, INC. FILED IN THE MONMOUTH COUNTY CLERKS' OFFICE ON NOVEMBER 2, 1995 AS CASE NUMBER 256–10.

I. MAP TITLED "OCEAN SIMULATING FACILITY, PLOT & GRADING PLANS & EXTERIOR DETAILS, HOLMDEL, NJ" PREPARED BY BELL TELEPHONE LABORATORIES, HOLMDEL, N.J.

J. MAP TITLED " UTILITY EXHIBIT, LOTS 38, 38.02, 73.01, 73.02, 73.03, & 73.04, BLOCK 11, LUCENT TECHNOLOGIES, SITUATED IN TOWNSHIP OF HOLMDEL, MONMOUTH COUNTY, NEW JERSEY" PREPARED BY LGA ENGINEERING INC.

K. MAP TITLED "ELECTRIC SITE PLAN DUCT BANK ROUTING, HOLDMDEL EMERGENCY GENERATOR UPGRADE", PREPARED BY AT&T BELL LABORATORIES. DATED 6–30–89, LAST REVISED 4–17–92.

L. MAP TITLED "HOLMDEL CITY WATER SITE PLAN", PREPARED BY LUCENT TECHNOLOGIES, BELL LABORATORIES. DATED 12–8–89, LAST REVISED 11–25–96.

M. MAP TITLED "FIRE PROTECTION OUTSIDE LOOP SITE PLAN", PREPARED BY AT&T BELL LABORATORIES. DATED 5/22/90, LAST REVISED 9/2/93.

N. MAP TITLED "HOLMDEL WELL WATER SITE PLAN", PREPARED BY LUCENT TECHNOLOGIES, BELL LABORATORIES. DATED 9/3/93.

GENERAL NOTES

1. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011) DERIVED USING SURVEY–GRADE GNSS EQUIPMENT.
2. STREET NAMES, RIGHT OF WAY WIDTHS, BLOCK AND LOT NUMBERS ARE SHOWN IN ACCORDANCE WITH TOWNSHIP OF HOLMDEL TAX MAPS.
3. PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. DURING 2026.
4. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND SHOULD NOT BE USED IN CONSTRUCTION OF ANY TYPE. LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RECOMMENDS THE PLACEMENT OF SURVEY MARKERS.
5. ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
6. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC...) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS,

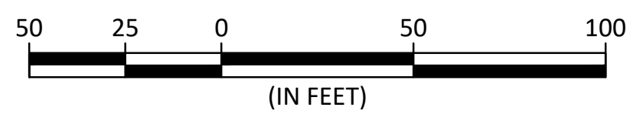
   UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.

   PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS

   UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON
7. A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM THE ULTIMATE USER PURSUANT TO P.L. 2003, c.14 (N.J.S.A. 45:8–36.3) AND N.J.A.C. 13:40–5.1(d)
8. THIS PLAN NOT VALID UNLESS EMBOSSED WITH THE IMPRESSION SEAL OR ENCRYPTED WITH THE DIGITAL SIGNATURE AND SEAL OF THE PROFESSIONAL.
9. NO EVIDENCE OF DRILLING, WELLS OR ANY OTHER EQUIPMENT RELATED TO OIL OR MINERAL EXTRACTION WAS OBSERVED IN THE COURSE OF CONDUCTING THIS SURVEY. SURVEYOR IS NOT QUALIFIED TO IDENTIFY MINERAL OR OIL EXTRACTION OR PRODUCTION EQUIPMENT AND THEREFORE THIS STATEMENT SHOULD NOT BE CONSTRUED TO INDICATE A DEFINITIVE LACK OF SUCH EQUIPMENT OR ACTIVITY ON SITE.
10. WETLANDS DELINEATED BY LANGAN ON 3/25/2026.
11. THE PROJECT IS LOCATED WITHIN THE ALCATEL–LUCENT REDEVELOPMENT AREA ZONING DISTRICT. PER SECTION V.B.2a OF THE ALCATEL–LUCENT REDEVELOOPMENT PLAN DATED APRIL 2012, NO BULK REQUIREMENTS (I.E. MINIMUM LOT AREA, YARD SETBACKS, LOT COVERAGE, BUILDING COVERAGE, ETC.) ARE LISTED FOR THE PROPOSED USE

LEGEND OF SYMBOLS & ABBREVIATIONS

	HYDRANT
	STREET LIGHT
	AREA LIGHT
	SIGNAL POLE
	POLE
	GUY WIRE
Ⓐ	ANCHOR POLE
○	MANHOLE
Ⓓ	MANHOLE (DRAINAGE)
Ⓢ	MANHOLE (SANITARY SEWER)
Ⓔ	MANHOLE (ELECTRIC)
Ⓦ	MANHOLE (WATER)
Ⓖ	MANHOLE (NATURAL GAS)
Ⓣ	MANHOLE (TELEPHONE)
FM	MANHOLE (FORCE MAIN)
ST	MANHOLE (STEAM)
Ⓤ	MANHOLE (UNKNOWN UTILITY)
W	WATER VALVE
G	GAS VALVE
	SHRUB
	CATCH BASIN
CO	CLEAN OUT
	TREE
	SIGN
●	BOLLARD
	PEDESTRIAN WALK SIGNAL
△	DOOR
	DOUBLE DOOR
⊠	OVERHEAD DOOR
	PARKING METER
MC	METAL COVER
E	ELECTRIC BOX
	SOIL BORING
	MONITORING WELL
	TEST PIT
	BENCHMARK
RD	ROOF DRAIN
x322.35	SPOT ELEVATION
CC	CONCRETE CURB
CONC	CONCRETE
DP	DETECTABLE PAD
DC	DROP CURB
BWS	BROKEN WHITE STRIPE
SYS	SINGLE YELLOW STRIPE
DYS	DOUBLE YELLOW STRIPE
SWS	SINGLE WHITE STRIPE
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
NVP	NO VISIBLE PIPE
EP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
(S)	SURVEY BEARING & DISTANCE
(D)	DEED BEARING & DISTANCE
—— D ——	STORM DRAIN
—— S ——	SANITARY LINE
—— COMB ——	COMBINED UTILITY LINE
—— UNK ——	UNKNOWN UTILITY LINE
—— G ——	GAS LINE
—— W ——	WATER LINE
—— FW ——	FIRE WATER LINE
—— E ——	ELECTRIC LINE
—— T ——	TELEPHONE LINE
—— C ——	CABLE TV LINE
—— ST ——	STEAM LINE
—— FM ——	FORCE MAIN
—— FO ——	FIBER OPTIC
—— (_)* ——	REFERENCED UTILITY LINE (TYPE AS NOTED) BASED ON RECORD MAPPING
	WETLAND LINE
	OVERHEAD WIRE
	GUIDE RAIL METAL
—x——x—	CHAIN LINK FENCE
—□——□—	WOOD/STOCKADE FENCE
—*——*—	WIRE FENCE
—o——o—	IRON FENCE
	TREE LINE
	EASEMENT LINE
	PROPERTY LINE
	RIGHT–OF–WAY LINE
—— 322 ——	CONTOUR LINE


50
25
0
50
100

GRAPHIC SCALE

(IN FEET)
1 INCH = 50 FEET

Date	Description	No.

Revisions

Matthew G. Sipple

THIS PLAN/DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH NJAC 13:40-8.1A

Digitally signed by Matthew G Sipple
Date: 2026.07.23 16:17:54-04'00'

SIGNATURE DATE

MATTHEW G. SIPPLE
PROFESSIONAL LAND SURVEYOR
NEW JERSEY LIC. No. 24GS04332100

LANGAN
Langan Engineering and
Environmental Services, LLC.

300 Kimball Drive
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NJ CERTIFICATE OF AUTHORIZATION NO. 24GA27996400

Project
DATA CENTER AT BELL WORKS
HOLMDEL
MONMOUTH COUNTY NEW JERSEY

Drawing Title
MINOR SUBDIVISION PLAN

Project No.
102054601
Date
JULY 23, 2026
Drawn By
MC
Checked By
MGS

Drawing No.
CB102
Sheet 2 of 2

LANGAN

Project No. 102054601

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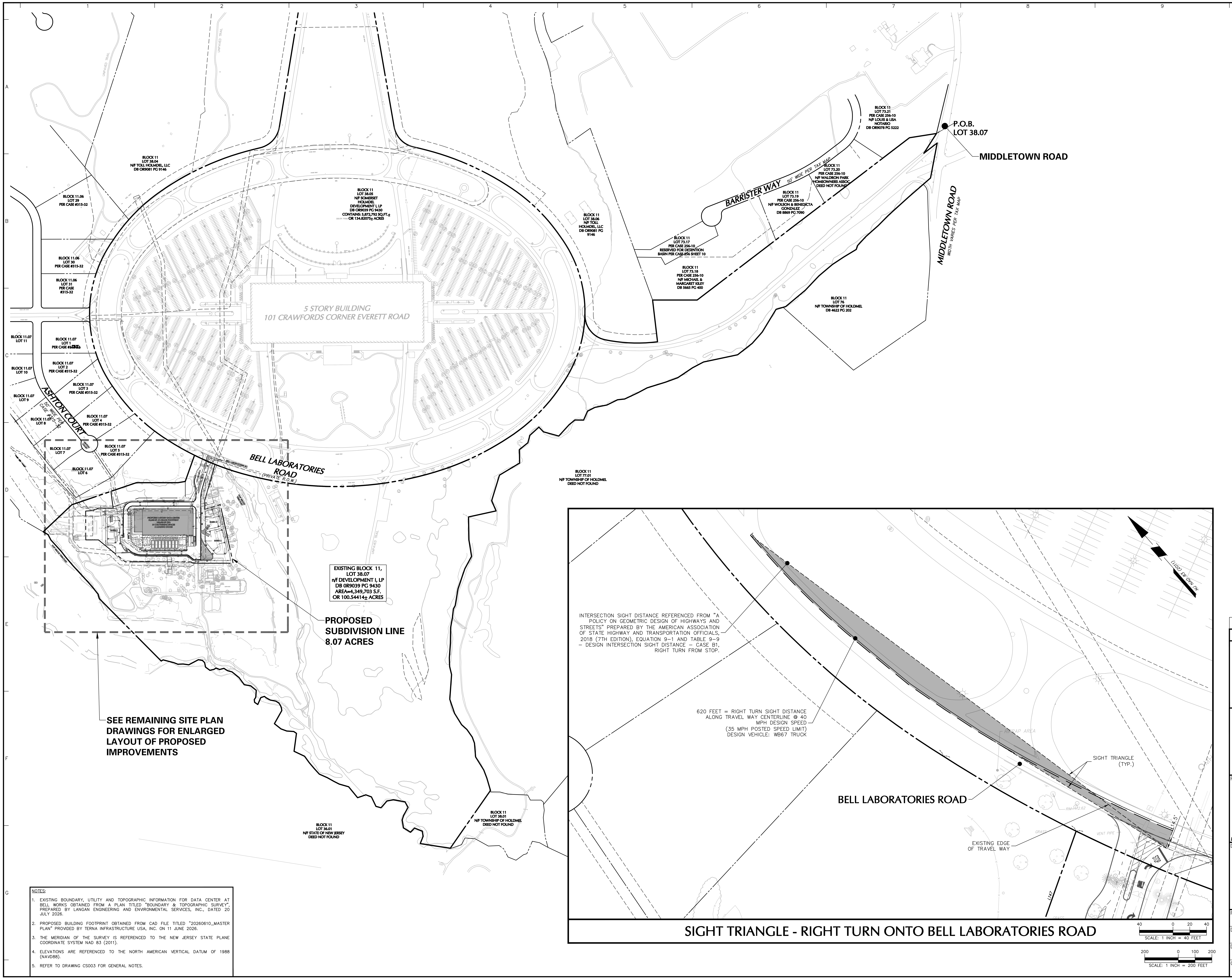
Date: 7/23/2026 Time: 10:17 User: mchudnow Style Table: Langan.stb Layout: CB102 Document Code: 102054601-0401-VB101-0101


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
NJ NAD 83 (2011)
P.O.B.
LOT 38.07
MIDDLETOWN ROAD
MIDDLETOWN ROAD
WIDTH VARIES PER TAX MAP
BARRISTER WAY
50' WIDE PER TAX MAP
BLOCK 11 LOT 73.21 PER CASE 256-10 N/F LOUIS & LISA NOTARIO DB OR9078 PG 5222
BLOCK 11 LOT 73.20 PER CASE 256-10 N/F WALDRON PARK HOMEOWNERS ASSOC DEED NOT FOUND
BLOCK 11 LOT 73.19 PER CASE 256-10 N/F WOLSON & BENEDICTA GONZALEZ DB 8869 PG 7090
BLOCK 11 LOT 73.17 PER CASE 256-10 RESERVED FOR DETENTION BASIN PER CASE 256 SHEET 10
BLOCK 11 LOT 73.18 PER CASE 256-10 N/F MICHAEL & MARGARET KILEY DB 5665 PG 400
BLOCK 11 LOT 38.06 N/F TOLL HOLMDEL, LLC DB OR9081 PG 9146
BLOCK 11 LOT 76 N/F TOWNSHIP OF HOLDMEL DB 4622 PG 202
BLOCK 11 LOT 38.04 N/F TOLL HOLMDEL, LLC DB OR9081 PG 9146
BLOCK 11 LOT 38.05 N/F SOMERSET HOLMDEL DEVELOPMENT I, LP DB OR9039 PG 9430 CONTAINS: 5,872,792 SQ.FT.± OR 134.82075± ACRES
5 STORY BUILDING
101 CRAWFORDS CORNER EVERETT ROAD
BLOCK 11.06 LOT 29 PER CASE #315-32
BLOCK 11.06 LOT 30 PER CASE #315-32
BLOCK 11.06 LOT 31 PER CASE #315-32
BLOCK 11.07 LOT 11
BLOCK 11.07 LOT 1 PER CASE #315-32
BLOCK 11.07 LOT 10
BLOCK 11.07 LOT 2 PER CASE #315-32
BLOCK 11.07 LOT 3 PER CASE #315-32
BLOCK 11.07 LOT 9
BLOCK 11.07 LOT 8
BLOCK 11.07 LOT 4 PER CASE #315-32
BLOCK 11.07 LOT 7
BLOCK 11.07 LOT 5 PER CASE #315-32
BLOCK 11.07 LOT 6
ASHTON COURT
50' WIDE PER CASE #315-32
BELL LABORATORIES ROAD
(PRIVATE R.O.W.)
BLOCK 11 LOT 77.01 N/F TOWNSHIP OF HOLDMEL DEED NOT FOUND
EXISTING BLOCK 11, LOT 38.07 n/f DEVELOPMENT I, LP DB OR9039 PG 9430 AREA=4,349,703 S.F. OR 100.54414± ACRES
PROPOSED SUBDIVISION LINE 8.07 ACRES
SEE REMAINING SITE PLAN DRAWINGS FOR ENLARGED LAYOUT OF PROPOSED IMPROVEMENTS
BLOCK 11 LOT 38.01 N/F TOWNSHIP OF HOLDMEL DEED NOT FOUND
BLOCK 11 LOT 36.01 N/F STATE OF NEW JERSEY DEED NOT FOUND
SIGHT TRIANGLE (TYP.)
BELL LABORATORIES ROAD
EXISTING EDGE OF TRAVEL WAY
14.5'
40 0 20 40
SCALE: 1 INCH = 40 FEET
200 0 100 200
SCALE: 1 INCH = 200 FEET

INTERSECTION SIGHT DISTANCE REFERENCED FROM "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" PREPARED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2018 (7TH EDITION), EQUATION 9-1 AND TABLE 9-9 – DESIGN INTERSECTION SIGHT DISTANCE – CASE B1, RIGHT TURN FROM STOP.

620 FEET = RIGHT TURN SIGHT DISTANCE ALONG TRAVEL WAY CENTERLINE @ 40 MPH DESIGN SPEED (35 MPH POSTED SPEED LIMIT) DESIGN VEHICLE: WB67 TRUCK

SIGHT TRIANGLE - RIGHT TURN ONTO BELL LABORATORIES ROAD

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

OVERALL SITE PLAN

Project No. 102054601	Drawing No. CS100
Date 7/24/2026	
Drawn By BMW	
Checked By LDS	

Project No. 102054601

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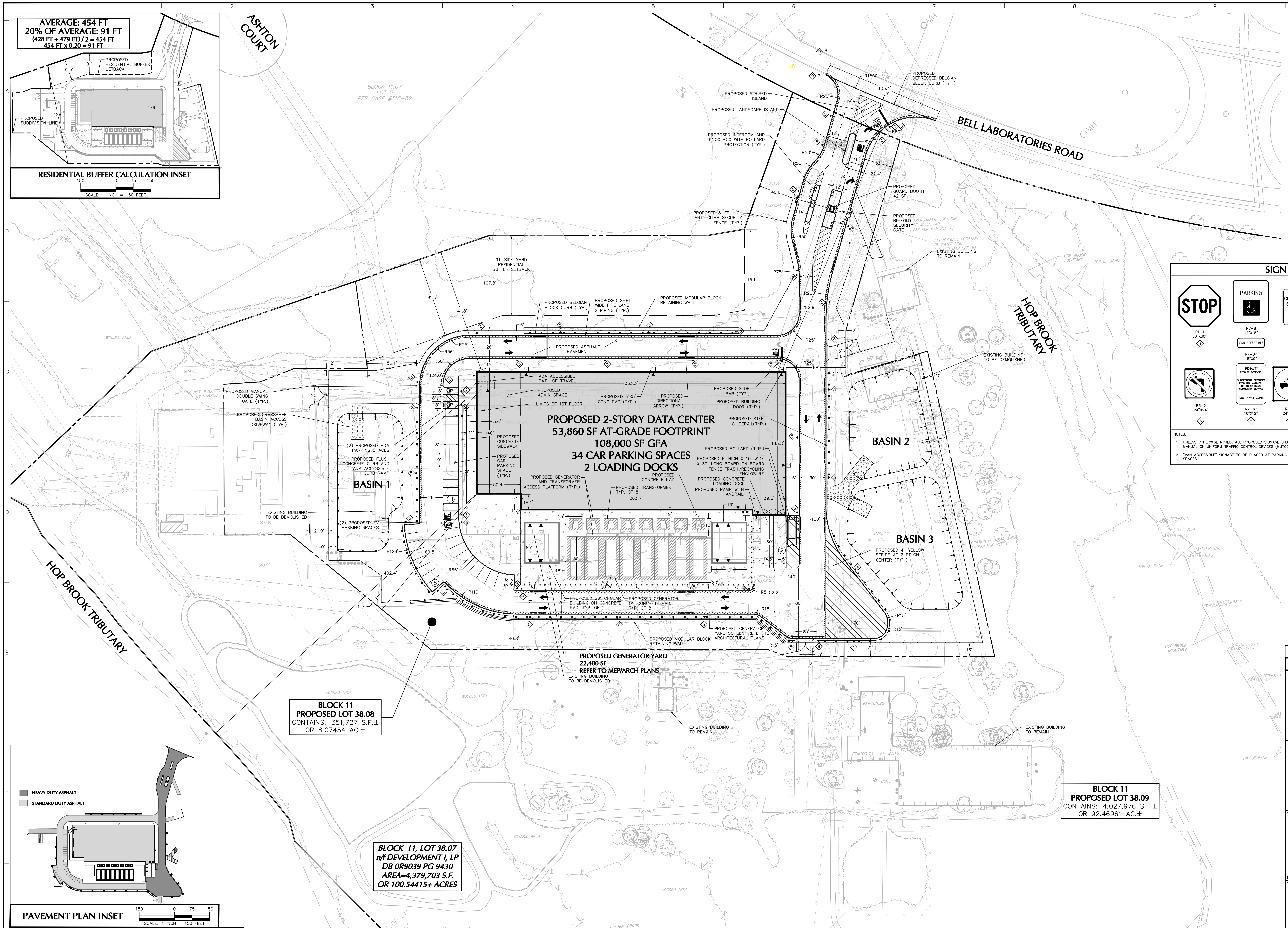
AVERAGE: 454 FT
20% OF AVERAGE: 91 FT
(428 FT + 479 FT) / 2 = 454 FT
454 FT x 0.20 = 91 FT
91'
91.5'
PROPOSED RESIDENTIAL BUFFER SETBACK
479'
428'
PROPOSED SUBDIVISION LINE
RESIDENTIAL BUFFER CALCULATION INSET
150 0 75 150
SCALE: 1 INCH = 150 FEET
ASHTON COURT
BLOCK 11.07 LOT 5 PER CASE #315-32
BELL LABORATORIES ROAD
NJ NAD 83 (2011)
HOP BROOK TRIBUTARY
PROPOSED STRIPED ISLAND
PROPOSED LANDSCAPE ISLAND
PROPOSED INTERCOM AND KNOX BOX WITH BOLLARD PROTECTION (TYP.)
PROPOSED DEPRESSED BELGIAN BLOCK CURB (TYP.)
R1800'
135.4'
5'
R25'
R49'
R80'
R60'
12'
8'
16'
33'
22.4'
30.7'
R50'
40.6'
15'
14'
PROPOSED GUARD BOOTH 42 SF
PROPOSED BI-FOLD SECURITY GATE
APPROXIMATE LOCATION OF WATER LINE (AS PER MAP REF. L)
APPROXIMATE LOCATION OF WATER LINE (AS PER MAP REF. M)
PROPOSED 8-FT-HIGH ANTI-CLIMB SECURITY FENCE (TYP.)
EXISTING WELL
EXISTING BUILDING TO REMAIN
R75'
R200'
292.9'
115.1'
ABOVE GROUND FUEL LINE
91' SIDE YARD RESIDENTIAL BUFFER SETBACK
107.8'
141.8'
91.5'
PROPOSED BELGIAN BLOCK CURB (TYP.)
PROPOSED 2-FT WIDE FIRE LANE STRIPING (TYP.)
PROPOSED MODULAR BLOCK RETAINING WALL
PROPOSED ASPHALT PAVEMENT
6'
26'
R56'
R30'
56.1'
2'
124.0'
ADA ACCESSIBLE PATH OF TRAVEL
PROPOSED ADMIN SPACE
LIMITS OF 1ST FLOOR
353.3'
PROPOSED 5'X5' CONC PAD (TYP.)
PROPOSED DIRECTIONAL ARROW (TYP.)
PROPOSED STOP BAR (TYP.)
PROPOSED BUILDING DOOR (TYP.)
PROPOSED STEEL GUIDERAIL(TYP.)
68'
21'
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
PROPOSED MANUAL DOUBLE SWING GATE (TYP.)
PROPOSED GRASSPAVE BASIN ACCESS DRIVEWAY (TYP.)
(2) PROPOSED ADA PARKING SPACES
PROPOSED FLUSH CONCRETE CURB AND ADA ACCESSIBLE CURB RAMP
BASIN 1
EXISTING BUILDING TO BE DEMOLISHED
(2) PROPOSED EV PARKING SPACES
20'
21.9'
10'
5.6'
140'
18'
9'
11'
PROPOSED CONCRETE SIDEWALK
PROPOSED CAR PARKING SPACE (TYP.)
50.4'
PROPOSED GENERATOR AND TRANSFORMER ACCESS PLATFORM (TYP.)
PROPOSED TRANSFORMER, TYP. OF 8
PROPOSED CONCRETE PAD
263.7'
18.1'
11.3
PROPOSED BOLLARD (TYP.)
PROPOSED 6' HIGH X 10' WIDE X 30' LONG BOARD ON BOARD FENCE TRASH/RECYCLING ENCLOSURE
PROPOSED CONCRETE LOADING DOCK
PROPOSED RAMP WITH HANDRAIL
163.8'
39.3'
13'
5.8'
60'
14.5'
41'
85'
50'
48'
15'
R128'
169.5'
R66'
402.4'
R110'
5.7'
40.8'
7'
PROPOSED SWITCHGEAR BUILDING ON CONCRETE PAD, TYP. OF 2
PROPOSED GENERATOR ON CONCRETE PAD, TYP. OF 8
PROPOSED GENERATOR YARD SCREEN. REFER TO ARCHITECTURAL PLANS
R5'
52.2'
R15'
80'
25'
R100'
30'
PROPOSED GENERATOR YARD
22,400 SF
REFER TO MEP/ARCH PLANS
EXISTING BUILDING TO BE DEMOLISHED
BASIN 2
BASIN 3
10'
1'
PROPOSED 4" YELLOW STRIPE AT 2 FT ON CENTER (TYP.)
70'
16'
WATER VALVE VAULT
LOCATION OF 100M TUNNEL (AS PER MAP REF. I)
BLOCK 11
PROPOSED LOT 38.08
CONTAINS: 351,727 S.F.±
OR 8.07454 AC.±
EXISTING BUILDING TO REMAIN
BLOCK 11
PROPOSED LOT 38.09
CONTAINS: 4,027,976 S.F.±
OR 92.46961 AC.±
BLOCK 11, LOT 38.07
n/f DEVELOPMENT I, LP
DB 0R9039 PG 9430
AREA=4,379,703 S.F.
OR 100.54415± ACRES
WOODED AREA
GRASS
GRAVEL
ASPHALT
TOP OF BANK
HEAVY DUTY ASPHALT
STANDARD DUTY ASPHALT
PAVEMENT PLAN INSET
150 0 75 150
SCALE: 1 INCH = 150 FEET

LEGEND

- PROPERTY LINE
- PROPOSED BUILDING
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSED BELGIAN BLOCK OR FLUSH CONCRETE CURB REFER TO PLAN FOR LOCATIONS
- PROPOSED CONCRETE SIDEWALK OR LOADING DOCK REFER TO PLAN FOR LOCATIONS
- ▼ PROPOSED BUILDING DOOR
- ⊠ PROPOSED LOADING DOCK DOOR
- PROPOSED SECURITY FENCE
- ← PROPOSED DIRECTIONAL STRIPING
- (16) PROPOSED PARKING COUNT
- PROPOSED STORMWATER BASIN

SIGN LEGEND

Sign	Designation	Size	No.
STOP	R1–1	30"X30"	1
PARKING	R7–8	12"X18"	
VAN ACCESSIBLE	R7–8P	18"X9"	
CHARGING STATION ELECTRIC CAR PARKING ONLY	CUSTOM	12"X18"	3
NO PARKING ANY TIME	R7–1	12" x 18"	4
NO PARKING FIRE LANE	CUSTOM	12" x 18"	5
	R3–2	24"X24"	6
PENALTY $250 1ST OFFENSE SUBSEQUENT OFFENSES $250 MIN. AND/OR UP TO 90 DAYS COMMUNITY SERVICE TOW–AWAY ZONE	R7–8P	10"X12"	2
	R5–2	24"X24"	7
AUTHORIZED PERSONNEL ONLY	CUSTOM	30"X24"	8
WRONG WAY	R5–1A	36"X24"	9

NOTES:

1. UNLESS OTHERWISE NOTED, ALL PROPOSED SIGNAGE SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR SIZE, LEGEND, AND PLACEMENT.
2. "VAN ACCESSIBLE" SIGNAGE TO BE PLACED AT PARKING SPACES DESIGNATED AS "VAN ACCESSIBLE" SPACES.

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

40 0 10 20 40
SCALE: 1 INCH = 40 FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

SITE PLAN

Project No.	102054601
Date	7/24/2026
Drawn By	BMW
Checked By	LDS
Drawing No.	CS101

LANGAN

Project No. 102054601

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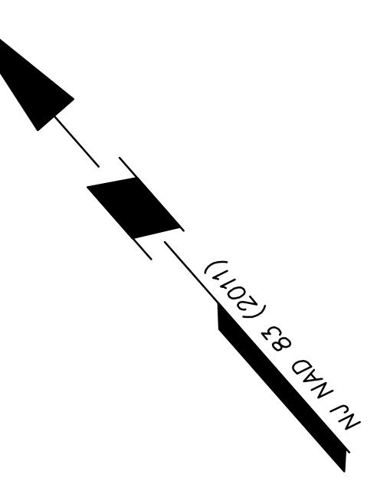
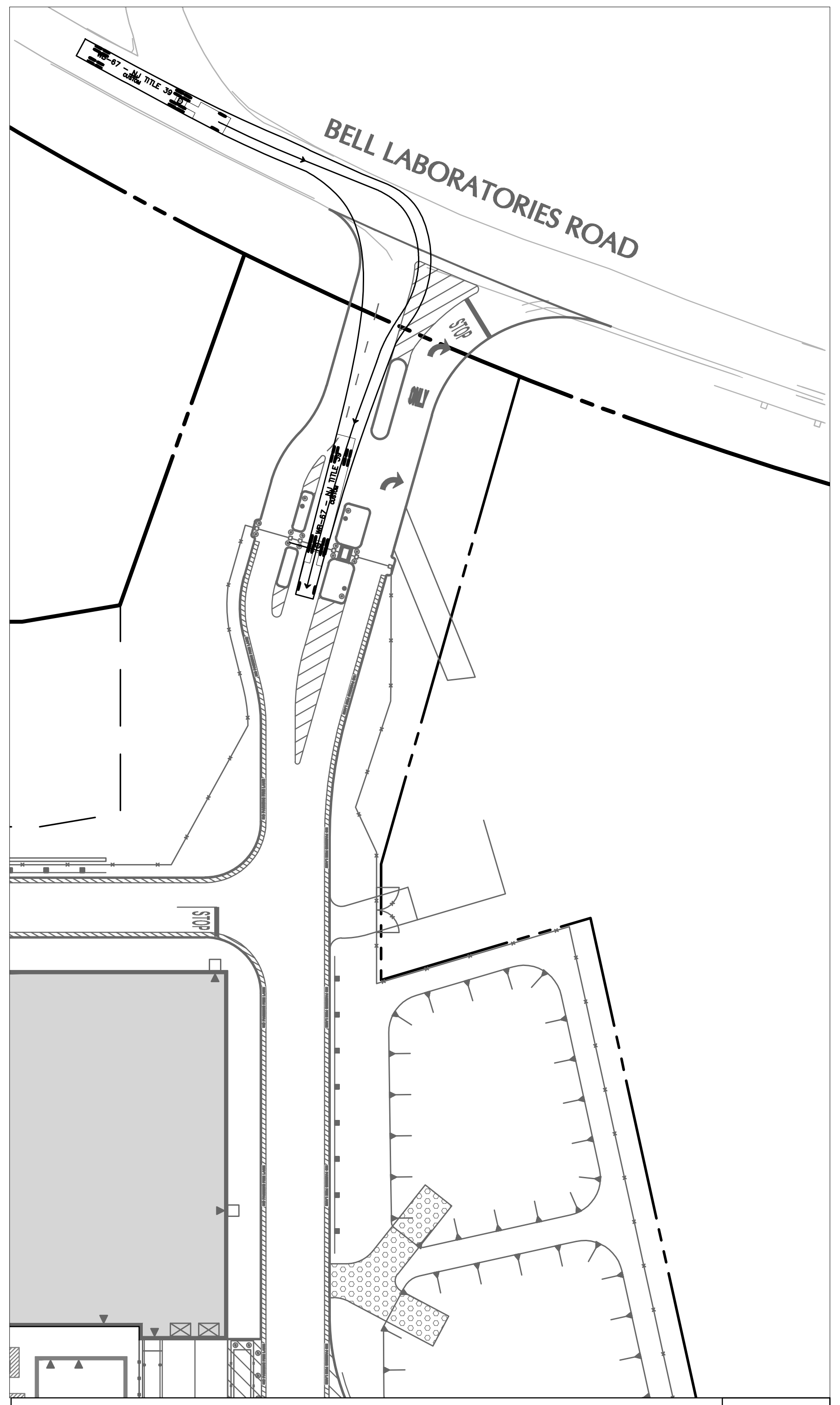
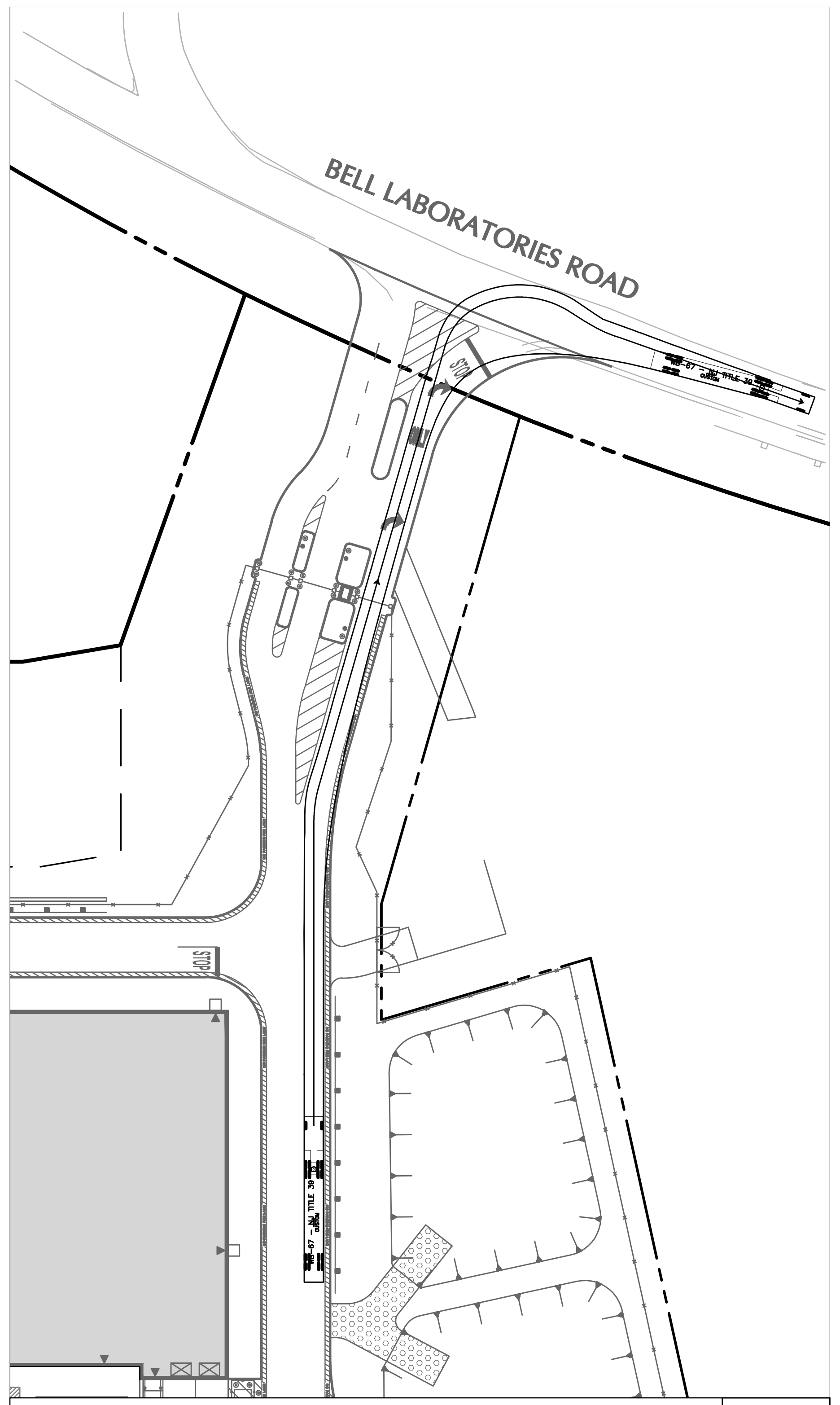




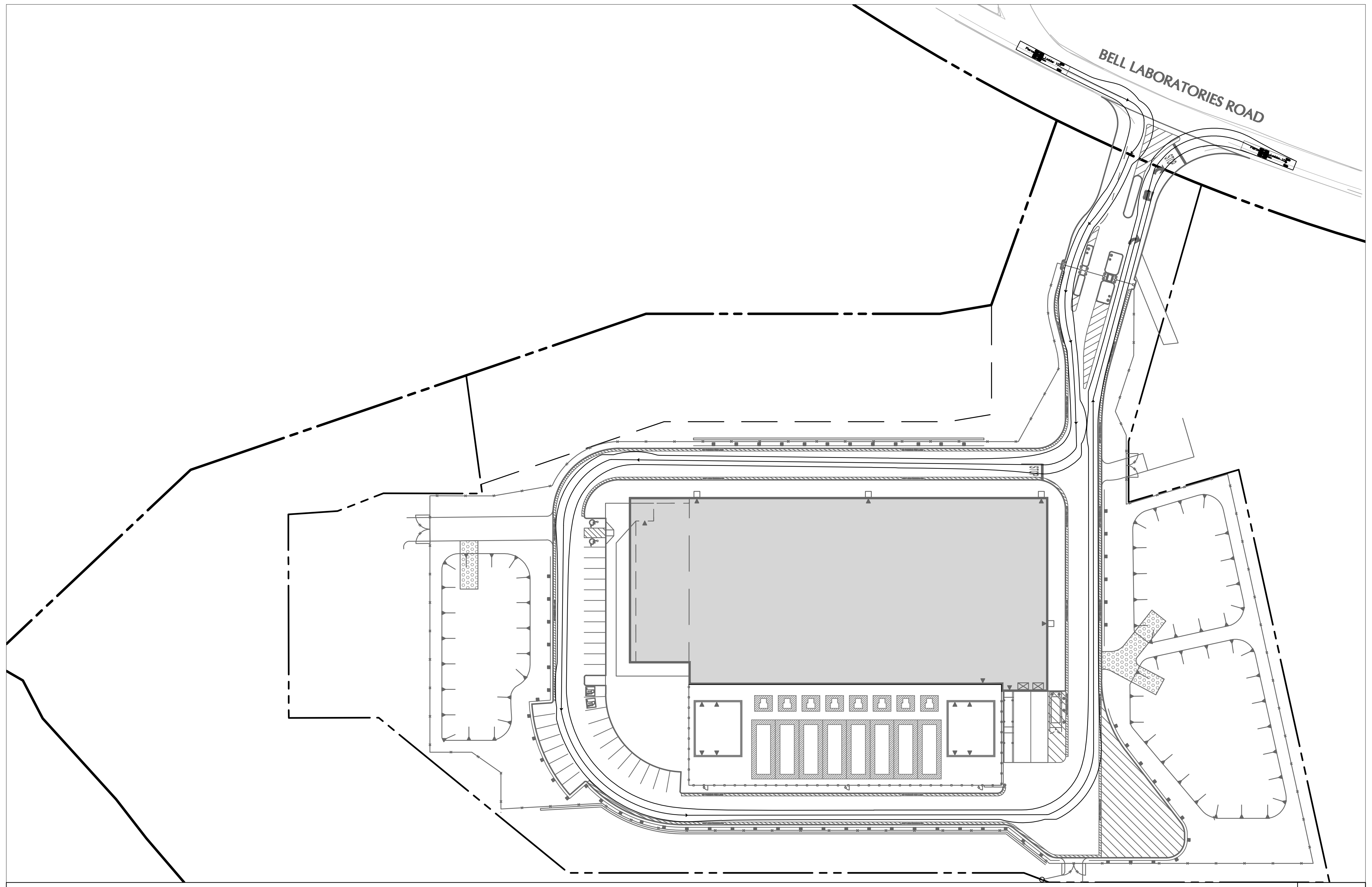
1" = 50'

WB-67 INGRESS



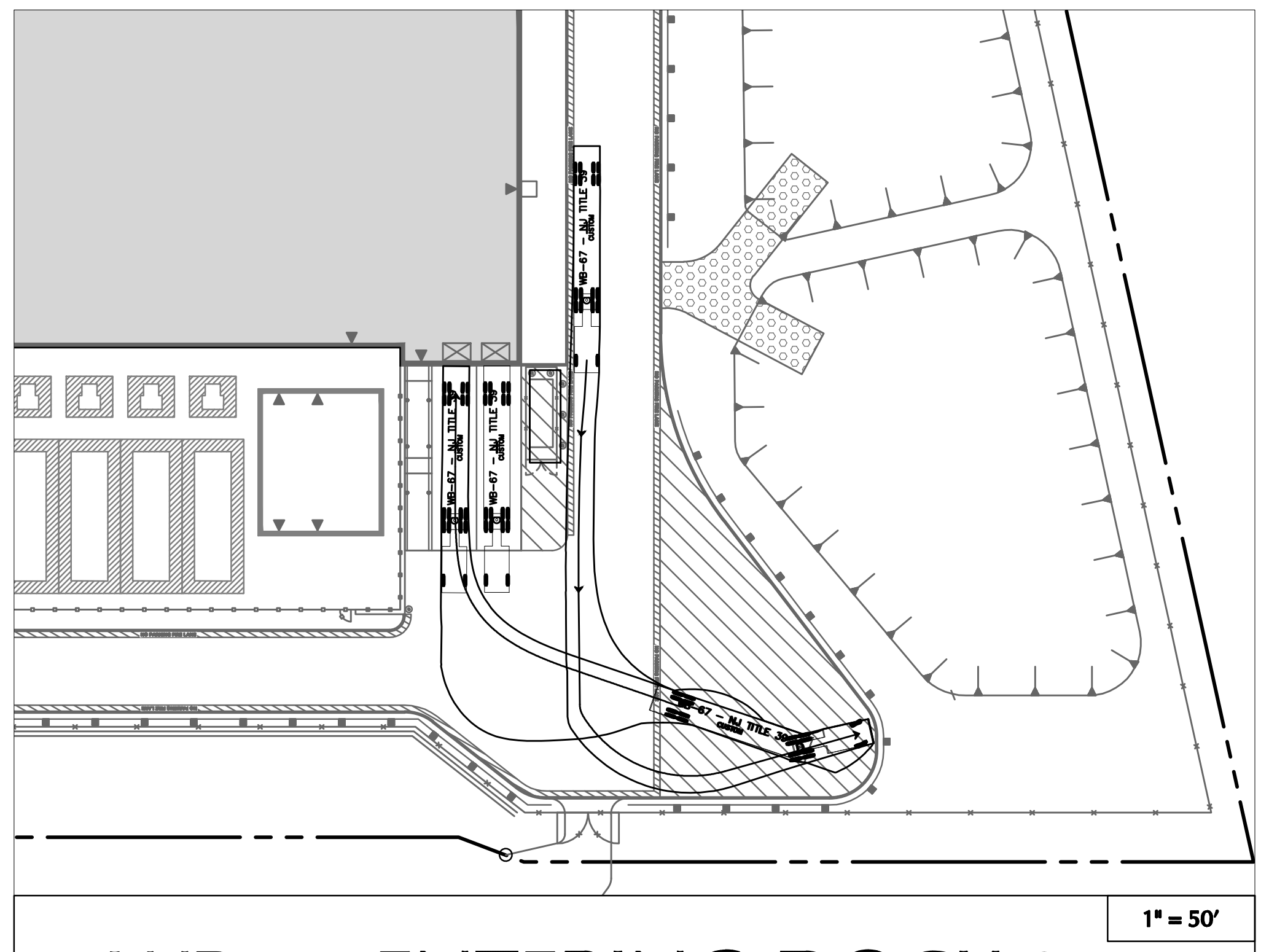
1" = 50'

WB-67 EGRESS



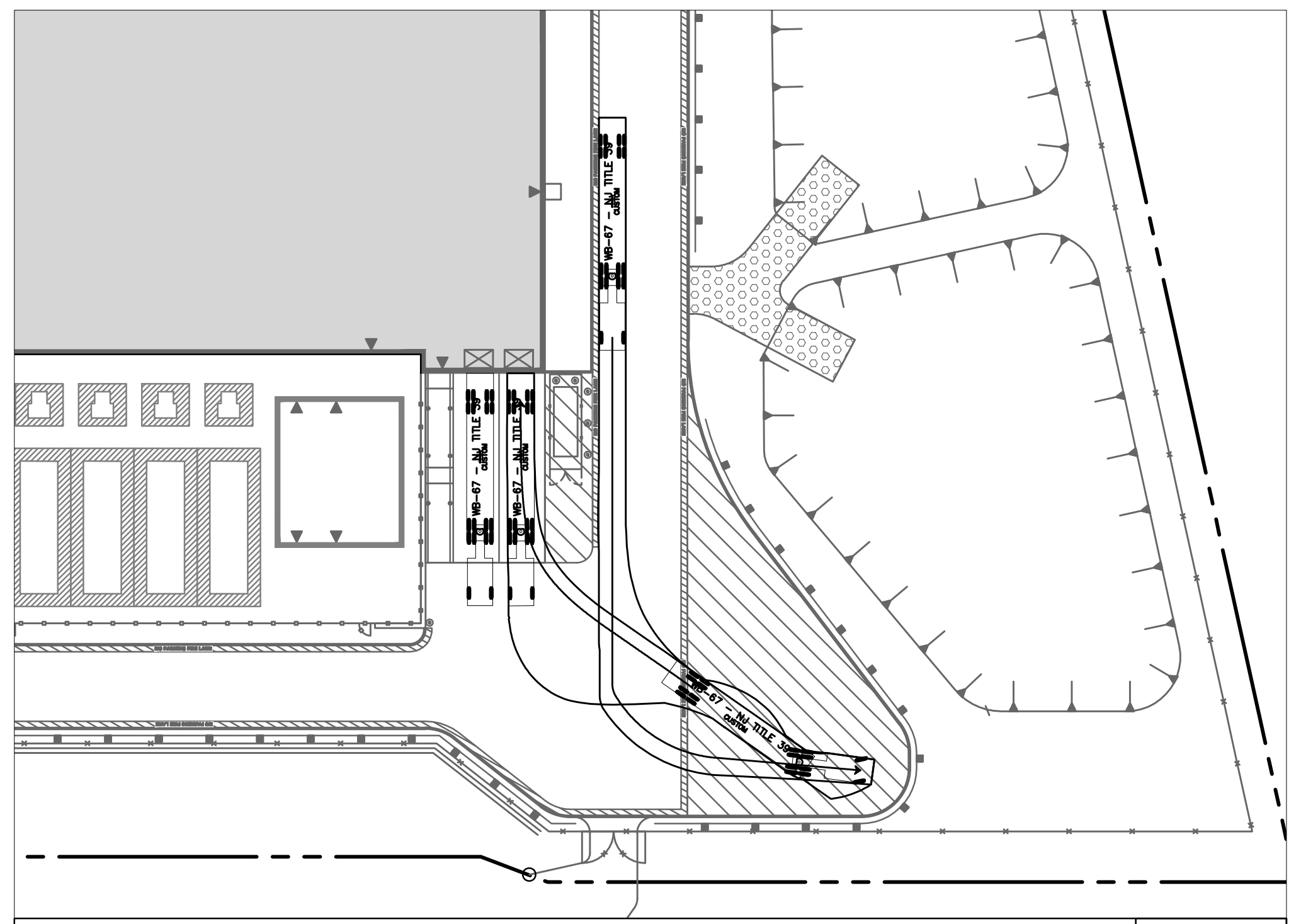
1" = 60'

FIRE TRUCK CIRCULATION



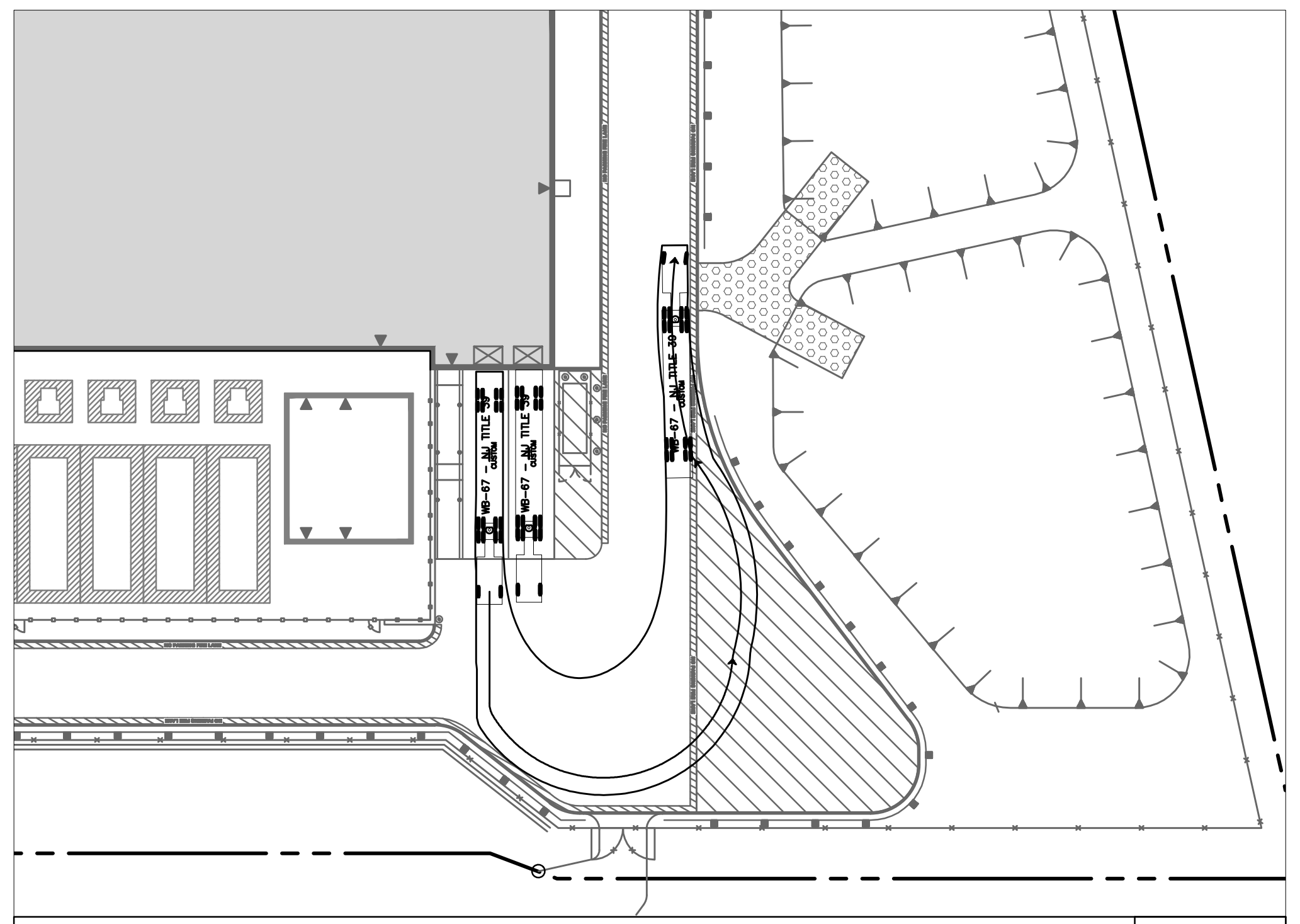
1" = 50'

WB-67 ENTERING DOCK 2



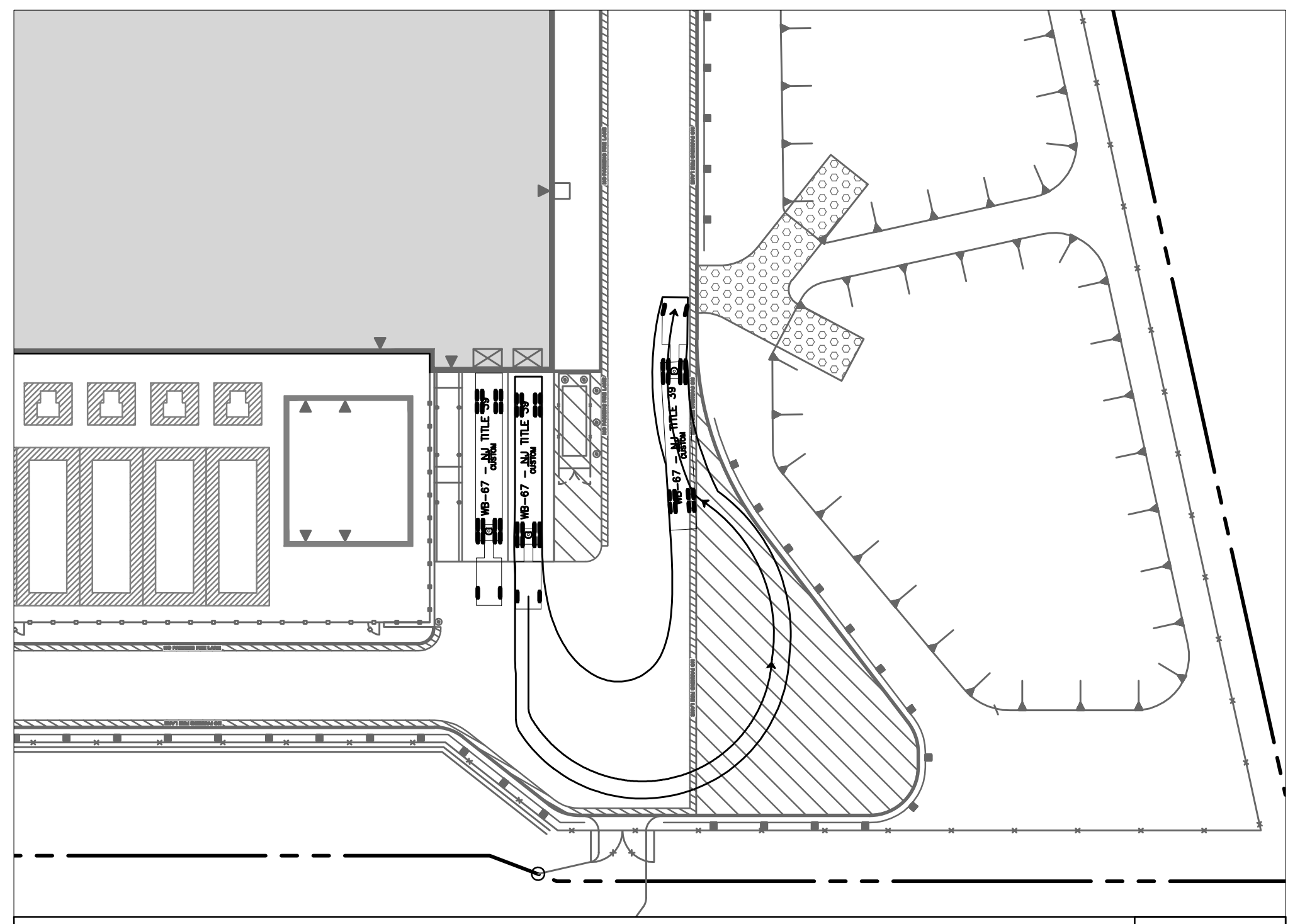
1" = 50'

WB-67 ENTERING DOCK 1



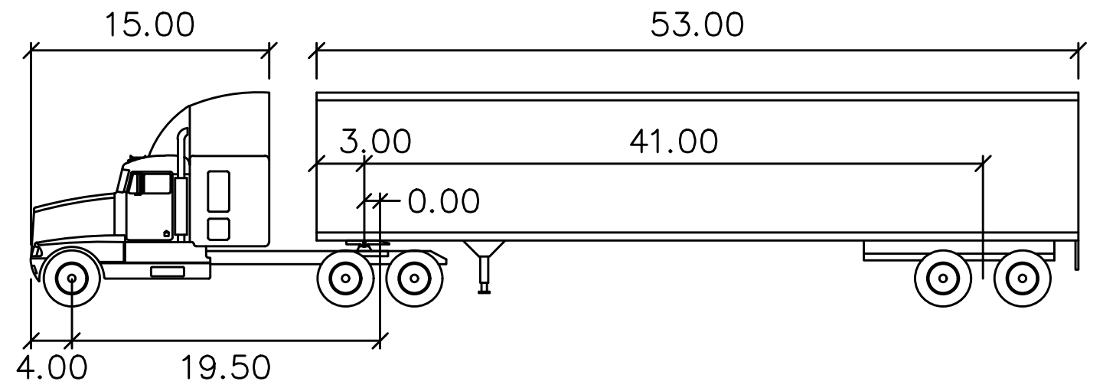
1" = 50'

WB-67 EXITING DOCK 2



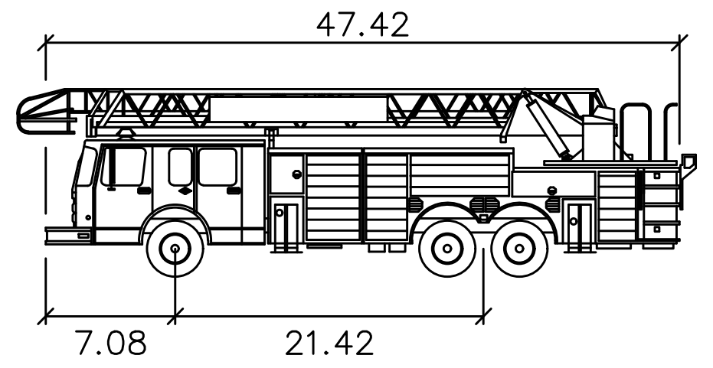
1" = 50'

WB-67 EXITING DOCK 1



WB-67 – NJ TITLE 39

	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		



Pierce Aerial Ladder 100'

	feet
Width	: 8.00
Track	: 6.91
Lock to Lock Time	: 6.0
Steering Angle	: 39.7

NOTES:

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4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

TRUCK CIRCULATION PLAN

Project No. 102054601

Project No.
102054601
Date
7/24/2026
Drawn By
ICB
Checked By
BMW
Drawing No.
CS102

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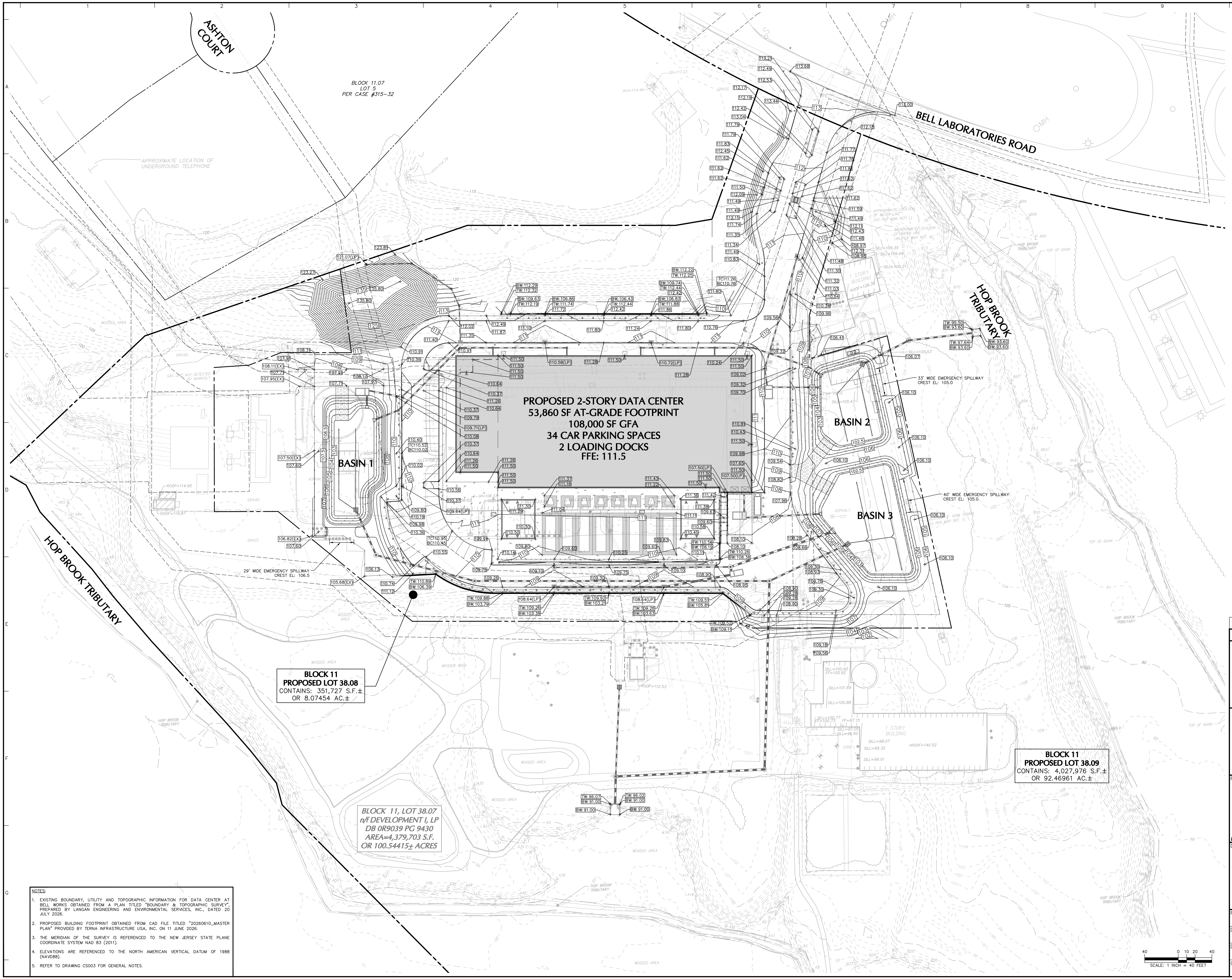
ASHTON COURT
BLOCK 11.07
LOT 5
PER CASE #315-32
APPROXIMATE LOCATION OF UNDERGROUND TELEPHONE
BELL LABORATORIES ROAD
HOP BROOK TRIBUTARY
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
FFE: 111.5
BASIN 1
BASIN 2
BASIN 3
29' WIDE EMERGENCY SPILLWAY
CREST EL: 106.5
33' WIDE EMERGENCY SPILLWAY
CREST EL: 105.0
40' WIDE EMERGENCY SPILLWAY
CREST EL: 105.0
BLOCK 11
PROPOSED LOT 38.08
CONTAINS: 351,727 S.F.±
OR 8.07454 AC.±
BLOCK 11
PROPOSED LOT 38.09
CONTAINS: 4,027,976 S.F.±
OR 92.46961 AC.±
BLOCK 11, LOT 38.07
n/f DEVELOPMENT I, LP
DB 0R9039 PG 9430
AREA=4,379,703 S.F.
OR 100.54415± ACRES
WOODED AREA
GRASS
1 STORY BUILDING
TOP OF BANK
SCALE: 1 INCH = 40 FEET

LEGEND

o— — —o	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
599	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
× 135.50	PROPOSED SPOT ELEVATION
× TW 278.20 BW 269.00	LAWN ELEVATION AT PROPOSED TOP/BOTTOM OF WALL
× 258.31 (LP)	PROPOSED LOW POINT
× 272.23 (HP)	PROPOSED HIGH POINT

NOTE:
ELEVATIONS ALONG THE CURB REFERENCE THE BOTTOM OF CURB / EDGE OF PAVEMENT. ADD 6 INCHES FOR TOP OF CURB EXCEPT FOR THE FOLLOWING:

1. ADD 1.5 INCHES AT DEPRESSED DRIVEWAY ENTRANCES
2. TOP OF CURB TO BE FLUSH WITH PAVEMENT AT ADA RAMPS.
3. TOP OF WALL ELEVATION TO BE A MINIMUM OF 4 INCHES ABOVE ADJACENT LAWN ELEVATION.

Project No. 102054601

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
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4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

GRADING PLAN

Project No.	Drawing No.
102054601	CG101
Date 7/24/2026	
Drawn By BMW	
Checked By LDS	

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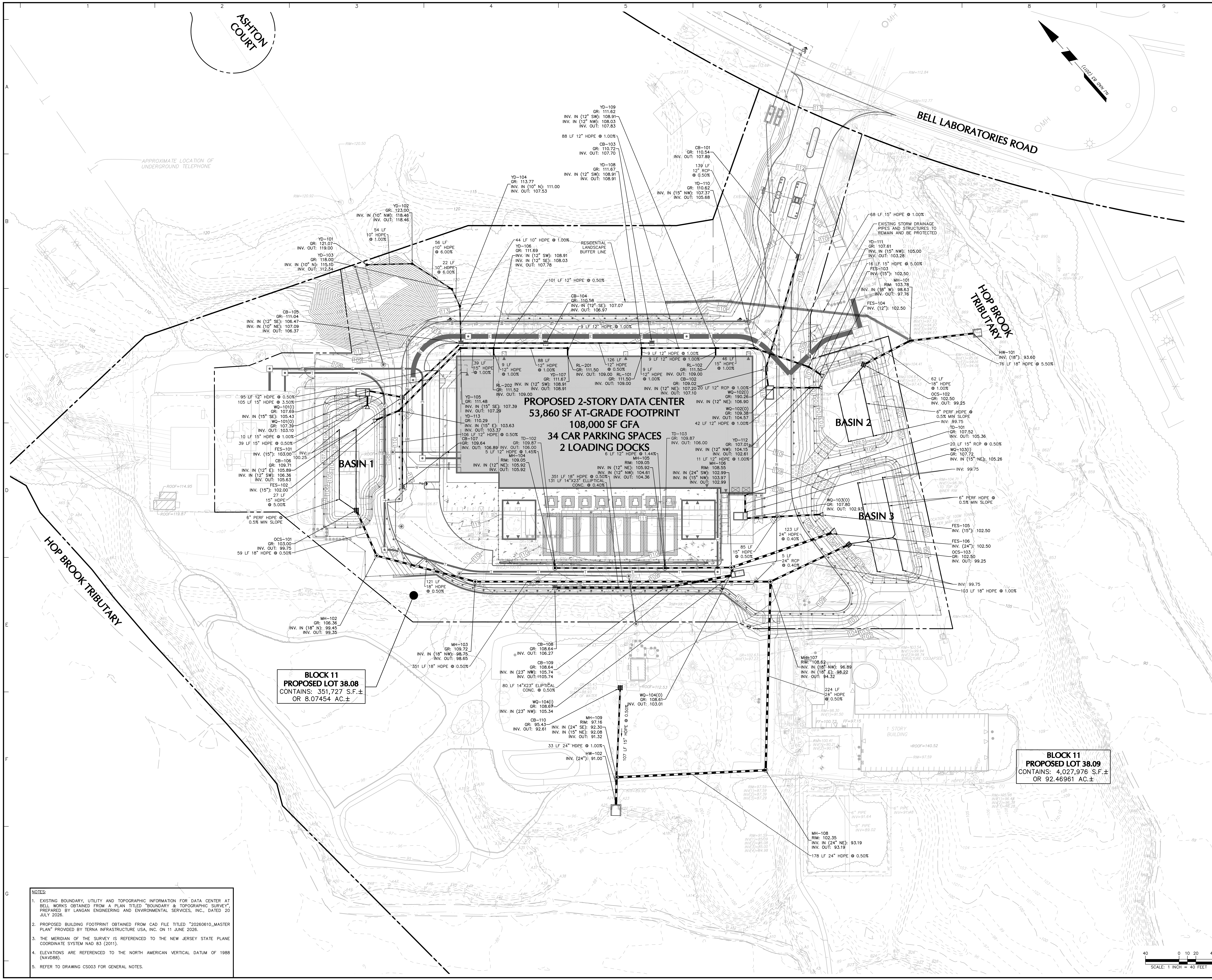
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
ASHTON COURT
BELL LABORATORIES ROAD
HOP BROOK TRIBUTARY
HOP BROOK TRIBUTARY
NJ NAD 83 (2011)
APPROXIMATE LOCATION OF UNDERGROUND TELEPHONE
RESIDENTIAL LANDSCAPE BUFFER LINE
EXISTING STORM DRAINAGE PIPES AND STRUCTURES TO REMAIN AND BE PROTECTED
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
BASIN 1
BASIN 2
BASIN 3
BLOCK 11
PROPOSED LOT 38.08
CONTAINS: 351,727 S.F.±
OR 8.07454 AC.±
BLOCK 11
PROPOSED LOT 38.09
CONTAINS: 4,027,976 S.F.±
OR 92.46961 AC.±
YD-109 GR: 111.62 INV. IN (12" SW): 108.91 INV. IN (12" NW): 108.03 INV. OUT: 107.83
88 LF 12" HDPE @ 1.00%
CB-103 GR: 110.72 INV. OUT: 107.70
YD-108 GR: 111.67 INV. IN (12" SW): 108.91 INV. OUT: 108.91
CB-101 GR: 110.54 INV. OUT: 107.89
139 LF 12" RCP @ 0.50%
YD-110 GR: 110.62 INV. IN (15" NW): 107.37 INV. OUT: 105.68
YD-104 GR: 113.77 INV. IN (10" N): 111.00 INV. OUT: 107.53
YD-102 GR: 123.00 INV. IN (10" N): 118.46 INV. OUT: 118.46
54 LF 10" HDPE @ 1.00%
YD-101 GR: 121.07 INV. OUT: 119.00
YD-103 GR: 118.00 INV. IN (10" N): 115.10 INV. OUT: 112.34
56 LF 10" HDPE @ 6.00%
22 LF 10" HDPE @ 6.00%
44 LF 10" HDPE @ 1.00%
YD-106 GR: 111.69 INV. IN (12" SW): 108.91 INV. IN (12" SE): 108.03 INV. OUT: 107.78
101 LF 12" HDPE @ 0.50%
CB-104 GR: 110.58 INV. IN (12" SE): 107.07 INV. OUT: 106.97
CB-105 GR: 111.04 INV. IN (12" SE): 106.47 INV. IN (10" NE): 107.09 INV. OUT: 106.37
9 LF 12" HDPE @ 1.00%
68 LF 15" HDPE @ 1.00%
YD-111 GR: 107.61 INV. IN (15" NW): 105.00 INV. OUT: 103.28
16 LF 15" HDPE @ 5.00%
FES-103 INV. (15"): 102.50
MH-101 RIM: 103.78 INV. IN (18" W): 98.63 INV. OUT: 97.76
FES-104 INV. (12"): 102.50
HW-101 INV. (18"): 93.60
76 LF 18" HDPE @ 5.50%
62 LF 18" HDPE @ 1.00%
OCS-102 GR: 102.50 INV. OUT: 99.25
6" PERF HDPE @ 0.5% MIN SLOPE
INV: 99.75
TD-101 GR: 107.52 INV. OUT: 105.36
20 LF 15" RCP @ 0.50%
WQ-103(I) GR: 107.72 INV. IN (15" NE): 105.26
INV: 99.75
95 LF 12" HDPE @ 0.50%
105 LF 15" HDPE @ 3.50%
WQ-101(I) GR: 107.69 INV. IN (15" SE): 105.43
WQ-101(O) GR: 107.39 INV. OUT: 103.10
10 LF 15" HDPE @ 1.00%
39 LF 15" HDPE @ 0.50%
FES-101 INV. (15"): 103.00
INV: 100.25
CB-106 GR: 109.71 INV. IN (12" E): 105.89 INV. IN (12" SW): 106.36 INV. OUT: 105.63
FES-102 INV. (15"): 102.00
27 LF 15" HDPE @ 5.00%
6" PERF HDPE 0.5% MIN SLOPE
OCS-101 GR: 103.00 INV. OUT: 99.75
59 LF 18" HDPE @ 0.50%
YD-105 GR: 111.48 INV. IN (15" SE): 107.39 INV. OUT: 107.29
YD-113 GR: 110.29 INV. IN (15" E): 103.63 INV. OUT: 103.37
106 LF 12" HDPE @ 0.50%
CB-107 GR: 109.64 INV. OUT: 106.89
5 LF 12" HDPE @ 1.45%
39 LF 15" HDPE @ 1.00%
9 LF 12" HDPE @ 1.00%
RL-202 GR: 111.52 INV. OUT: 109.00
88 LF 12" HDPE @ 1.00%
YD-107 GR: 111.67 INV. IN (12" SW): 108.91 INV. OUT: 108.91
RL-201 GR: 111.50 INV. OUT: 109.00
126 LF 12" HDPE @ 0.50%
RL-101 GR: 111.50 INV. OUT: 109.00
9 LF 12" HDPE @ 1.00%
RL-102 GR: 111.50 INV. OUT: 109.00
46 LF 15" HDPE @ 1.00%
CB-102 GR: 109.02 INV. IN (12" NE): 107.20 INV. OUT: 107.10
20 LF 12" RCP @ 1.00%
WQ-102(I) GR: 109.26 INV. IN (12" NE): 106.90
WQ-102(O) GR: 109.38 INV. OUT: 104.57
42 LF 12" HDPE @ 1.00%
TD-102 GR: 109.87 INV. OUT: 106.00
MH-104 RIM: 109.05 INV. IN (12" NE): 105.92 INV. OUT: 105.92
351 LF 18" HDPE @ 0.50%
131 LF 14"X23" ELLIPTICAL CONC. @ 0.40%
6 LF 12" HDPE @ 1.44%
MH-105 RIM: 109.05 INV. IN (12" NE): 105.92 INV. IN (12" NW): 104.61 INV. OUT: 104.36
TD-103 GR: 109.87 INV. OUT: 106.00
YD-112 GR: 107.01 INV. IN (12" NW): 104.15 INV. OUT: 102.61
11 LF 12" HDPE @ 1.00%
MH-106 RIM: 108.55 INV. IN (24" SW): 102.99 INV. IN (15" NW): 103.97 INV. OUT: 102.99
WQ-103(O) GR: 107.80 INV. OUT: 102.93
123 LF 24" HDPE @ 0.40%
85 LF 15" HDPE @ 0.50%
5 LF 24" RCP @ 0.40%
FES-105 INV. (15"): 102.50
FES-106 INV. (24"): 102.50
OCS-103 GR: 102.50 INV. OUT: 99.25
INV: 99.75
103 LF 18" HDPE @ 1.00%
121 LF 18" HDPE @ 0.50%
MH-102 GR: 106.36 INV. IN (18" N): 99.45 INV. OUT: 99.35
MH-103 GR: 109.72 INV. IN (18" NW): 98.75 INV. OUT: 98.65
351 LF 18" HDPE @ 0.50%
CB-108 GR: 108.64 INV. OUT: 106.27
CB-109 GR: 108.64 INV. IN (23" NW): 105.74 INV. OUT: 105.74
80 LF 14"X23" ELIPTICAL CONC. @ 0.50%
WQ-104(I) GR: 108.67 INV. IN (23" NW): 105.34
WQ-104(O) GR: 108.61 INV. OUT: 103.01
MH-109 RIM: 97.16 INV. IN (24" SE): 92.30 INV. IN (15" NE): 92.08 INV. OUT: 91.32
CB-110 GR: 95.43 INV. OUT: 92.61
107 LF 15" HDPE @ 0.50%
33 LF 24" HDPE @ 1.00%
HW-102 INV. (24"): 91.00
MH-107 RIM: 108.62 INV. IN (18" NW): 96.89 INV. IN (18" E): 98.22 INV. OUT: 94.32
224 LF 24" HDPE @ 0.50%
MH-108 RIM: 102.35 INV. IN (24" NE): 93.19 INV. OUT: 93.19
178 LF 24" HDPE @ 0.50%
1 STORY BUILDING
40 0 10 20 40
SCALE: 1 INCH = 40 FEET

DRAINAGE STRUCTURE SCHEDULE	
DATA CENTER AT BELL WORKS	
Structure ID	**Structure Type**
CB-101	TYPE B INLET
CB-102	TYPE B INLET
CB-103	TYPE B INLET
CB-104	TYPE B INLET
CB-105	TYPE B INLET
CB-106	TYPE B INLET
CB-107	TYPE B INLET
CB-108	TYPE B INLET
CB-109	TYPE B INLET
CB-110	TYPE E INLET
CB-101	TYPE B INLET
CB-102	TYPE B INLET
CB-103	TYPE B INLET
CB-104	TYPE B INLET
CB-105	TYPE B INLET
CB-106	TYPE B INLET
CB-107	TYPE B INLET
CB-108	TYPE B INLET
CB-109	TYPE B INLET
CB-110	TYPE E INLET
FES-101	15" HDPE FLARED END SECTION
FES-102	15" HDPE FLARED END SECTION
FES-103	15" HDPE FLARED END SECTION
FES-104	12" HDPE FLARED END SECTION
FES-105	15" HDPE FLARED END SECTION
FES-106	24" HDPE FLARED END SECTION
HW-101	CONCRETE HEADWALL
HW-102	CONCRETE HEADWALL
MH-101	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-102	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-103	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-104	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-105	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-106	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-107	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-108	4' DIAMETER PRECAST CONCRETE MANHOLE
MH-109	4' DIAMETER PRECAST CONCRETE MANHOLE
OCS-101	OUTLET CONTROL STRUCTURE
OCS-102	OUTLET CONTROL STRUCTURE
OCS-103	OUTLET CONTROL STRUCTURE
RL-101	ROOF LEADER
RL-102	ROOF LEADER
RL-201	ROOF LEADER
RL-202	ROOF LEADER
TD-101	HEAVY DUTY PRECAST CONCRETE TRENCH DRAIN
TD-102	HEAVY DUTY PRECAST CONCRETE TRENCH DRAIN
TD-103	HEAVY DUTY PRECAST CONCRETE TRENCH DRAIN
WQ-101	WATER QUALITY STRUCTURE PEAK DIVERSION RAPTERRA 16'x8' VAULT
WQ-102	WATER QUALITY STRUCTURE PEAK DIVERSION RAPTERRA 14'X6' VAULT
WQ-103	WATER QUALITY STRUCTURE PEAK DIVERSION RAPTERRA 12'X6' VAULT
WQ-104	WATER QUALITY STRUCTURE PEAK DIVERSION RAPTERRA 10'X6' VAULT
YD-101	12" NYLOPLAST DRAIN WITH STANDARD GRATE
YD-102	12" NYLOPLAST DRAIN WITH SOLID COVER
YD-103	12" NYLOPLAST DRAIN WITH SOLID COVER
YD-104	12" NYLOPLAST DRAIN WITH SOLID COVER
YD-105	18" NYLOPLAST DRAIN WITH SOLID COVER
YD-106	15" NYLOPLAST DRAIN WITH SOLID COVER
YD-107	15" NYLOPLAST DRAIN WITH SOLID COVER
YD-108	15" NYLOPLAST DRAIN WITH SOLID COVER
YD-109	18" NYLOPLAST DRAIN WITH SOLID COVER
YD-110	18" NYLOPLAST DRAIN WITH SOLID COVER
YD-111	18" NYLOPLAST DRAIN WITH SOLID COVER
YD-112	15" NYLOPLAST DRAIN WITH SOLID COVER
YD-113	18" NYLOPLAST DRAIN WITH SOLID COVER

Note:
Contractor to submit shop drawings to the engineer of record for review and approval prior to commencement of construction.

LEGEND

o— — —o	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
599	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬	PROPOSED DRAINAGE PIPE
▤	PROPOSED CATCH BASIN
●	PROPOSED DRAINAGE MANHOLE
◁	PROPOSED FLARED END SECTION

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

Date	Description	No.
Revisions		

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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300 Kimball Drive
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NJ Certificate of Authorization No. 24GA27996400

Project
DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title
DRAINAGE PLAN

Project No.	Drawing No.
102054601	CG102
Date 7/24/2026	
Drawn By ET	
Checked By BMW	

Project No. 102054601

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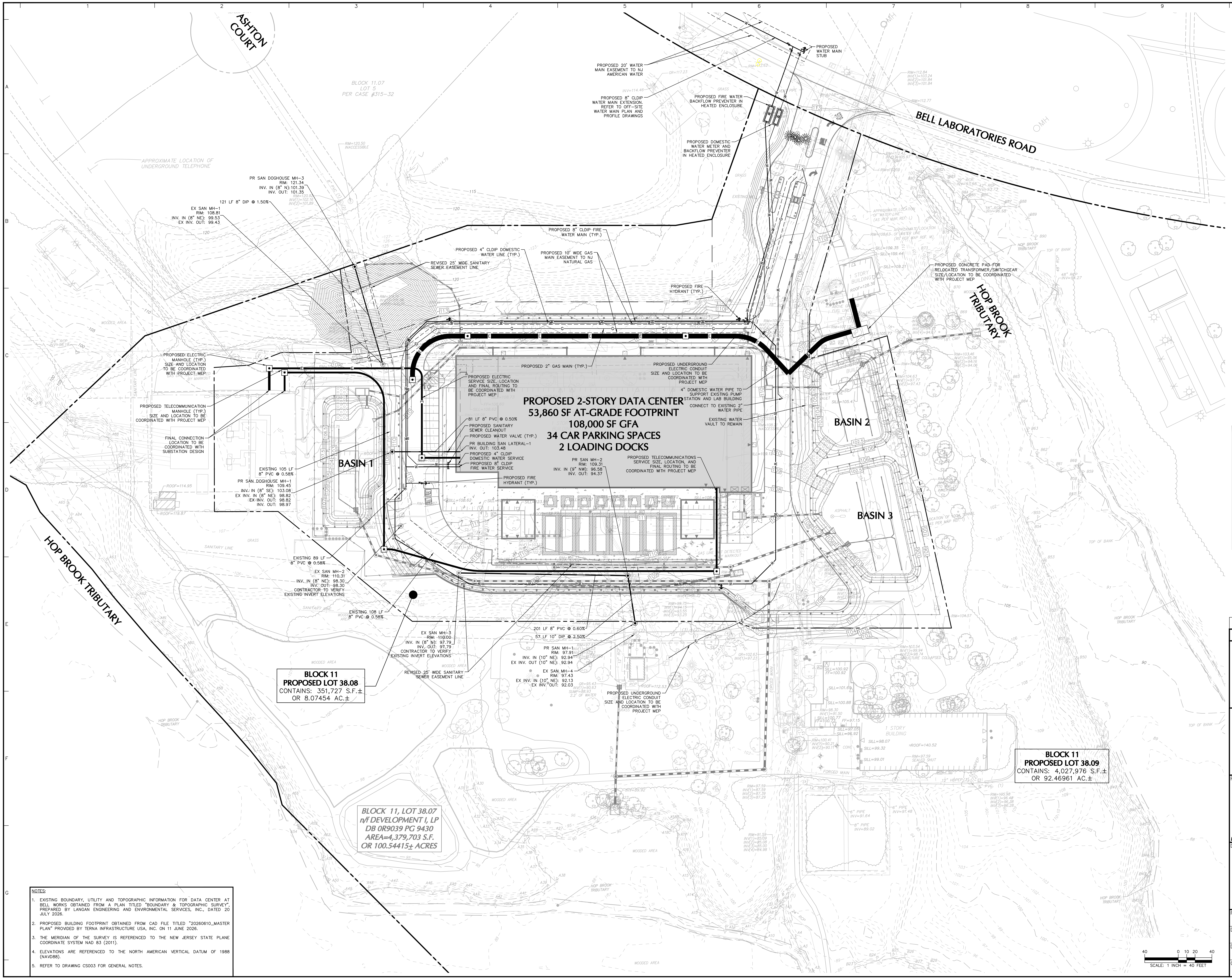
ASHTON COURT
BELL LABORATORIES ROAD
HOP BROOK TRIBUTARY
HOP BROOK TRIBUTARY
BLOCK 11.07 LOT 5 PER CASE #315-32
APPROXIMATE LOCATION OF UNDERGROUND TELEPHONE
PROPOSED 20' WATER MAIN EASEMENT TO NJ AMERICAN WATER
PROPOSED WATER MAIN STUB
PROPOSED 8" CLDIP WATER MAIN EXTENSION. REFER TO OFF-SITE WATER MAIN PLAN AND PROFILE DRAWINGS
PROPOSED FIRE WATER BACKFLOW PREVENTER IN HEATED ENCLOSURE
PROPOSED DOMESTIC WATER METER AND BACKFLOW PREVENTER IN HEATED ENCLOSURE
PR SAN DOGHOUSE MH-3 RIM: 121.34 INV. IN (8" N): 101.39 INV. OUT: 101.35
121 LF 8" DIP @ 1.50%
EX SAN MH-1 RIM: 108.81 INV. IN (8" NE): 99.53 EX INV. OUT: 99.43
REVISED 25' WIDE SANITARY SEWER EASEMENT LINE
PROPOSED 4" CLDIP DOMESTIC WATER LINE (TYP.)
PROPOSED 8" CLDIP FIRE WATER MAIN (TYP.)
PROPOSED 10' WIDE GAS MAIN EASEMENT TO NJ NATURAL GAS
PROPOSED FIRE HYDRANT (TYP.)
PROPOSED CONCRETE PAD FOR RELOCATED TRANSFORMER/SWITCHGEAR SIZE/LOCATION TO BE COORDINATED WITH PROJECT MEP
PROPOSED ELECTRIC MANHOLE (TYP.) SIZE AND LOCATION TO BE COORDINATED WITH PROJECT MEP
PROPOSED TELECOMMUNICATION MANHOLE (TYP.) SIZE AND LOCATION TO BE COORDINATED WITH PROJECT MEP
FINAL CONNECTION LOCATION TO BE COORDINATED WITH SUBSTATION DESIGN
PROPOSED 2" GAS MAIN (TYP.)
PROPOSED UNDERGROUND ELECTRIC CONDUIT SIZE AND LOCATION TO BE COORDINATED WITH PROJECT MEP
PROPOSED ELECTRIC SERVICE SIZE, LOCATION AND FINAL ROUTING TO BE COORDINATED WITH PROJECT MEP
4" DOMESTIC WATER PIPE TO SUPPORT EXISTING PUMP STATION AND LAB BUILDING
CONNECT TO EXISTING 2" WATER PIPE
EXISTING WATER VAULT TO REMAIN
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
81 LF 8" PVC @ 0.50%
PROPOSED SANITARY SEWER CLEANOUT
PROPOSED WATER VALVE (TYP.)
PR BUILDING SAN LATERAL-1 INV. OUT: 103.48
PROPOSED 4" CLDIP DOMESTIC WATER SERVICE
PROPOSED 8" CLDIP FIRE WATER SERVICE
PROPOSED FIRE HYDRANT (TYP.)
PR SAN MH-2 RIM: 109.31 INV. IN (9" NW): 96.58 INV. OUT: 94.37
PROPOSED TELECOMMUNICATIONS SERVICE SIZE, LOCATION, AND FINAL ROUTING TO BE COORDINATED WITH PROJECT MEP
BASIN 1
BASIN 2
BASIN 3
EXISTING 105 LF 8" PVC @ 0.58%
PR SAN DOGHOUSE MH-1 RIM: 109.45 INV. IN (8" SE): 103.08 EX INV. IN (8" NE): 98.82 EX INV. OUT: 98.82 INV. OUT: 98.97
EXISTING 89 LF 8" PVC @ 0.58%
EX SAN MH-2 RIM: 110.31 INV. IN (8" NE): 98.30 INV. OUT: 98.30 CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS
EXISTING 108 LF 8" PVC @ 0.58%
EX SAN MH-3 RIM: 110.00 INV. IN (8" N): 97.79 INV. OUT: 97.79 CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS
REVISED 25' WIDE SANITARY SEWER EASEMENT LINE
201 LF 8" PVC @ 0.60%
57 LF 10" DIP @ 2.50%
PR SAN MH-1 RIM: 97.91 INV. IN (10" NE): 92.94 EX INV. OUT (10" NE): 92.94
EX SAN MH-4 RIM: 97.43 EX INV. IN (10" NE): 92.13 EX INV. OUT: 92.03
PROPOSED UNDERGROUND ELECTRIC CONDUIT SIZE AND LOCATION TO BE COORDINATED WITH PROJECT MEP
BLOCK 11 PROPOSED LOT 38.08 CONTAINS: 351,727 S.F.± OR 8.07454 AC.±
BLOCK 11 PROPOSED LOT 38.09 CONTAINS: 4,027,976 S.F.± OR 92.46961 AC.±
BLOCK 11, LOT 38.07 n/f DEVELOPMENT I, LP DB 0R9039 PG 9430 AREA=4,379,703 S.F. OR 100.54415± ACRES
1 INCH = 40 FEET
SCALE: 1 INCH = 40 FEET

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

LEGEND

o— — —o	PROPERTY LINE
━━━	PROPOSED SANITARY SEWER PIPE
●	PROPOSED SANITARY SEWER MANHOLE
●	PROPOSED SANITARY SEWER CLEANOUT
—W—	PROPOSED WATER PIPE
WV ⊗	PROPOSED WATER VALVE
↑	PROPOSED FIRE HYDRANT
— T&E —	PROPOSED ELECTRIC / TELECOMMUNICATIONS CONDUIT
—G—	PROPOSED GAS PIPE

Project No. 102054601

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

UTILITY PLAN

Project No. 102054601
Date 7/24/2026
Drawn By ET
Checked By BMW
Drawing No. CU101

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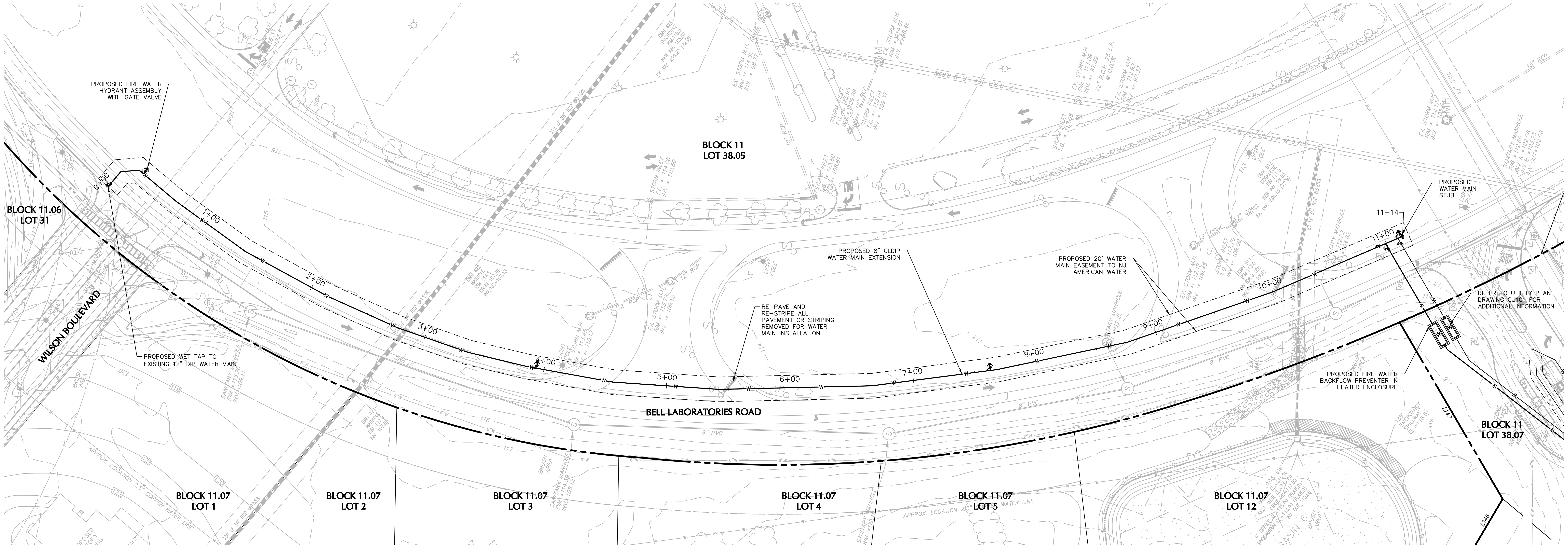
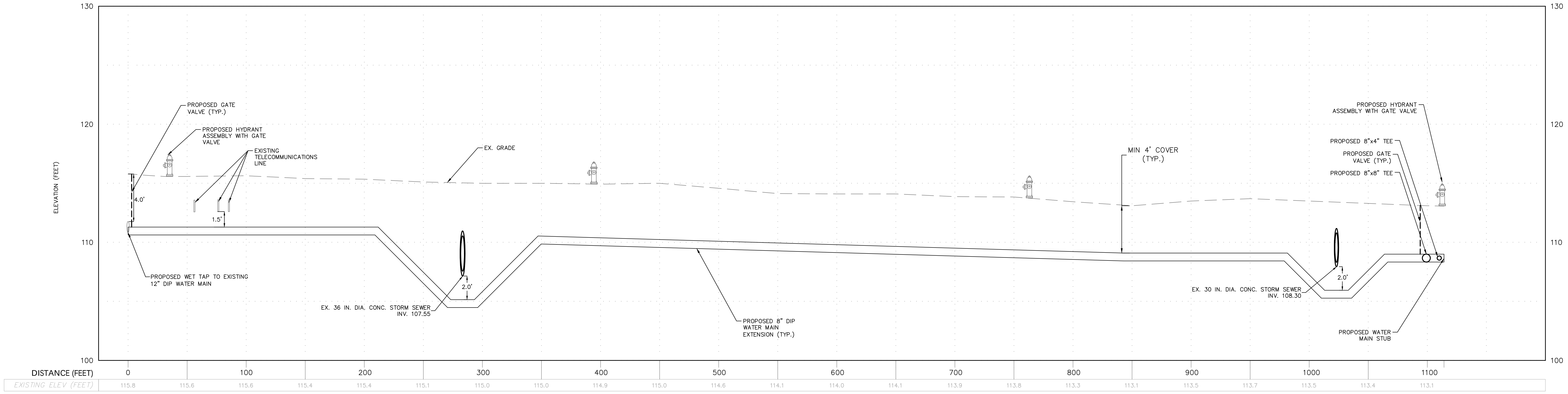

PROPOSED FIRE WATER HYDRANT ASSEMBLY WITH GATE VALVE
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
11+14
BLOCK 11
LOT 38.05
BLOCK 11.06
LOT 31
WILSON BOULEVARD
PROPOSED WET TAP TO EXISTING 12" DIP WATER MAIN
RE-PAVE AND RE-STRIPE ALL PAVEMENT OR STRIPING REMOVED FOR WATER MAIN INSTALLATION
PROPOSED 8" CLDIP WATER MAIN EXTENSION
PROPOSED 20' WATER MAIN EASEMENT TO NJ AMERICAN WATER
PROPOSED WATER MAIN STUB
REFER TO UTILITY PLAN DRAWING CU101 FOR ADDITIONAL INFORMATION
PROPOSED FIRE WATER BACKFLOW PREVENTER IN HEATED ENCLOSURE
BELL LABORATORIES ROAD
BLOCK 11
LOT 38.07
BLOCK 11.07
LOT 1
BLOCK 11.07
LOT 2
BLOCK 11.07
LOT 3
BLOCK 11.07
LOT 4
BLOCK 11.07
LOT 5
BLOCK 11.07
LOT 12
8" PVC
6"W
L147

OFF-SITE WATER MAIN - PLAN VIEW

LEGEND	
—o- - - -o—	PROPERTY LINE
—W—	PROPOSED WATER PIPE
⊗	PROPOSED WATER VALVE
⯅	PROPOSED FIRE HYDRANT

THRUST BLOCK NOTE:

CONTRACTOR TO PROVIDE CONCRETE THRUST BLOCKS AT ALL VERTICAL AND HORIZONTAL BENDS.


130
120
110
100
ELEVATION (FEET)
PROPOSED GATE VALVE (TYP.)
PROPOSED HYDRANT ASSEMBLY WITH GATE VALVE
EXISTING TELECOMMUNICATIONS LINE
EX. GRADE
4.0'
1.5'
PROPOSED WET TAP TO EXISTING 12" DIP WATER MAIN
2.0'
EX. 36 IN. DIA. CONC. STORM SEWER INV. 107.55
PROPOSED 8" DIP WATER MAIN EXTENSION (TYP.)
MIN 4' COVER (TYP.)
PROPOSED HYDRANT ASSEMBLY WITH GATE VALVE
PROPOSED 8"x4" TEE
PROPOSED GATE VALVE (TYP.)
PROPOSED 8"x8" TEE
2.0'
EX. 30 IN. DIA. CONC. STORM SEWER INV. 108.30
PROPOSED WATER MAIN STUB
DISTANCE (FEET)
0
100
200
300
400
500
600
700
800
900
1000
1100
EXISTING ELEV (FEET)
115.8
115.6
115.6
115.4
115.4
115.1
115.0
115.0
114.9
115.0
114.6
114.1
114.0
114.1
113.9
113.8
113.3
113.1
113.5
113.7
113.5
113.4
113.1

OFF-SITE WATER MAIN - PROFILE VIEW

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION OBTAINED FROM A PLAN TITLED "RESERVE AT HOLMDEL WATERLINE PHASING PLAN", PREPARED BY KENNEDY CONSULTING ENGINEERS, LLC., DATED 11 NOVEMBER 2014.
2. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

4 0 1.6 3.2 4
VERTICAL SCALE OF PROFILE VIEW 1 INCH = 4 FEET

40 0 10 20 40
PLAN VIEW AND HORIZONTAL SCALE OF PROFILE VIEW: 1 INCH = 40 FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

OFF-SITE UTILITY PLAN

Project No. 102054601
Date 7/24/2026
Drawn By ICB
Checked By LDS
Drawing No. CU102

Project No. 102054601

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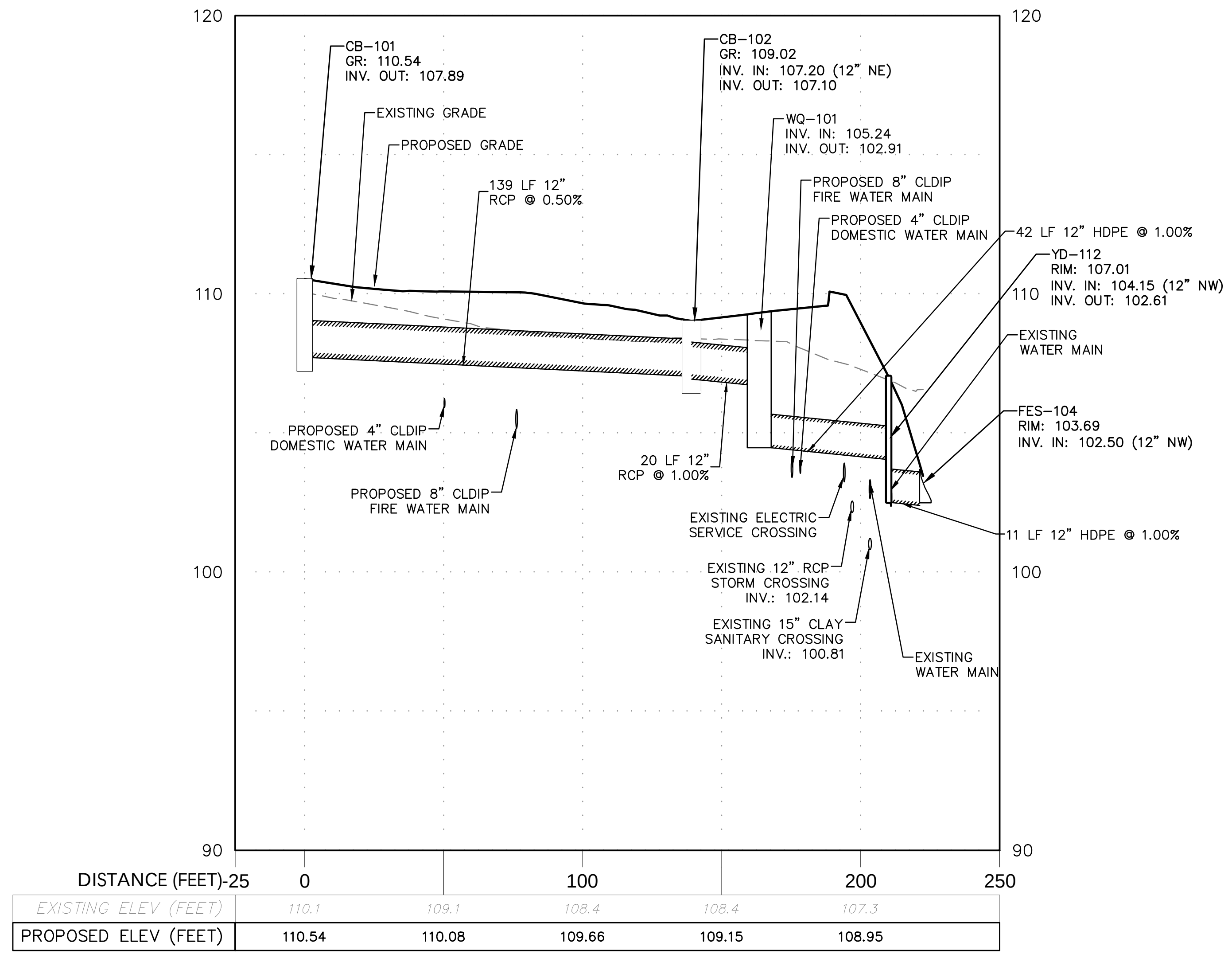
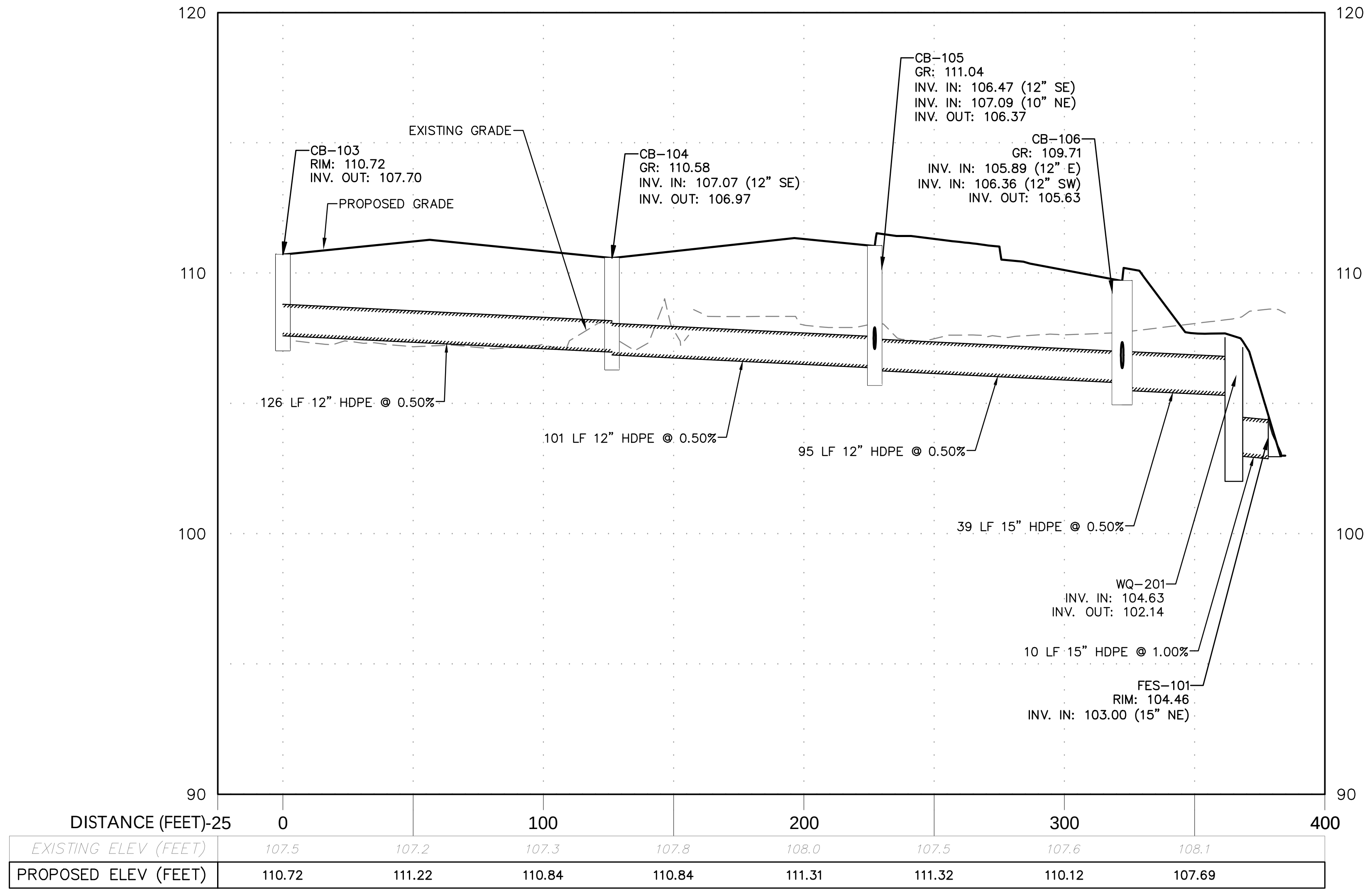
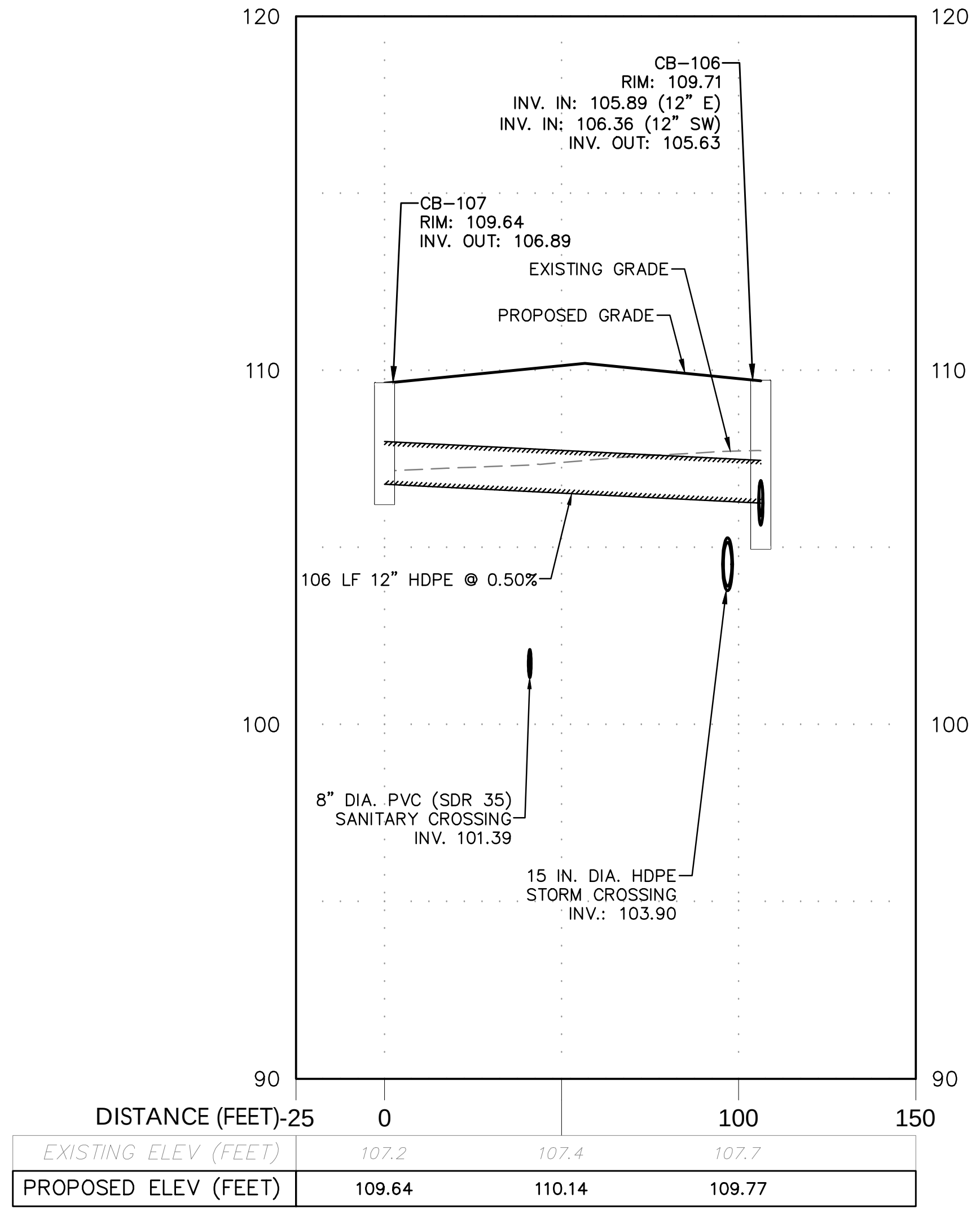

CB–101
GR: 110.54
INV. OUT: 107.89
EXISTING GRADE
PROPOSED GRADE
139 LF 12" RCP @ 0.50%
CB–102
GR: 109.02
INV. IN: 107.20 (12" NE)
INV. OUT: 107.10
WQ–101
INV. IN: 105.24
INV. OUT: 102.91
PROPOSED 8" CLDIP FIRE WATER MAIN
PROPOSED 4" CLDIP DOMESTIC WATER MAIN
42 LF 12" HDPE @ 1.00%
YD–112
RIM: 107.01
INV. IN: 104.15 (12" NW)
INV. OUT: 102.61
EXISTING WATER MAIN
FES–104
RIM: 103.69
INV. IN: 102.50 (12" NW)
11 LF 12" HDPE @ 1.00%
PROPOSED 4" CLDIP DOMESTIC WATER MAIN
PROPOSED 8" CLDIP FIRE WATER MAIN
20 LF 12" RCP @ 1.00%
EXISTING ELECTRIC SERVICE CROSSING
EXISTING 12" RCP STORM CROSSING INV.: 102.14
EXISTING 15" CLAY SANITARY CROSSING INV.: 100.81
EXISTING WATER MAIN
120
110
100
90
DISTANCE (FEET)-25
0
100
200
250
EXISTING ELEV (FEET) 110.1 109.1 108.4 108.4 107.3
PROPOSED ELEV (FEET) 110.54 110.08 109.66 109.15 108.95

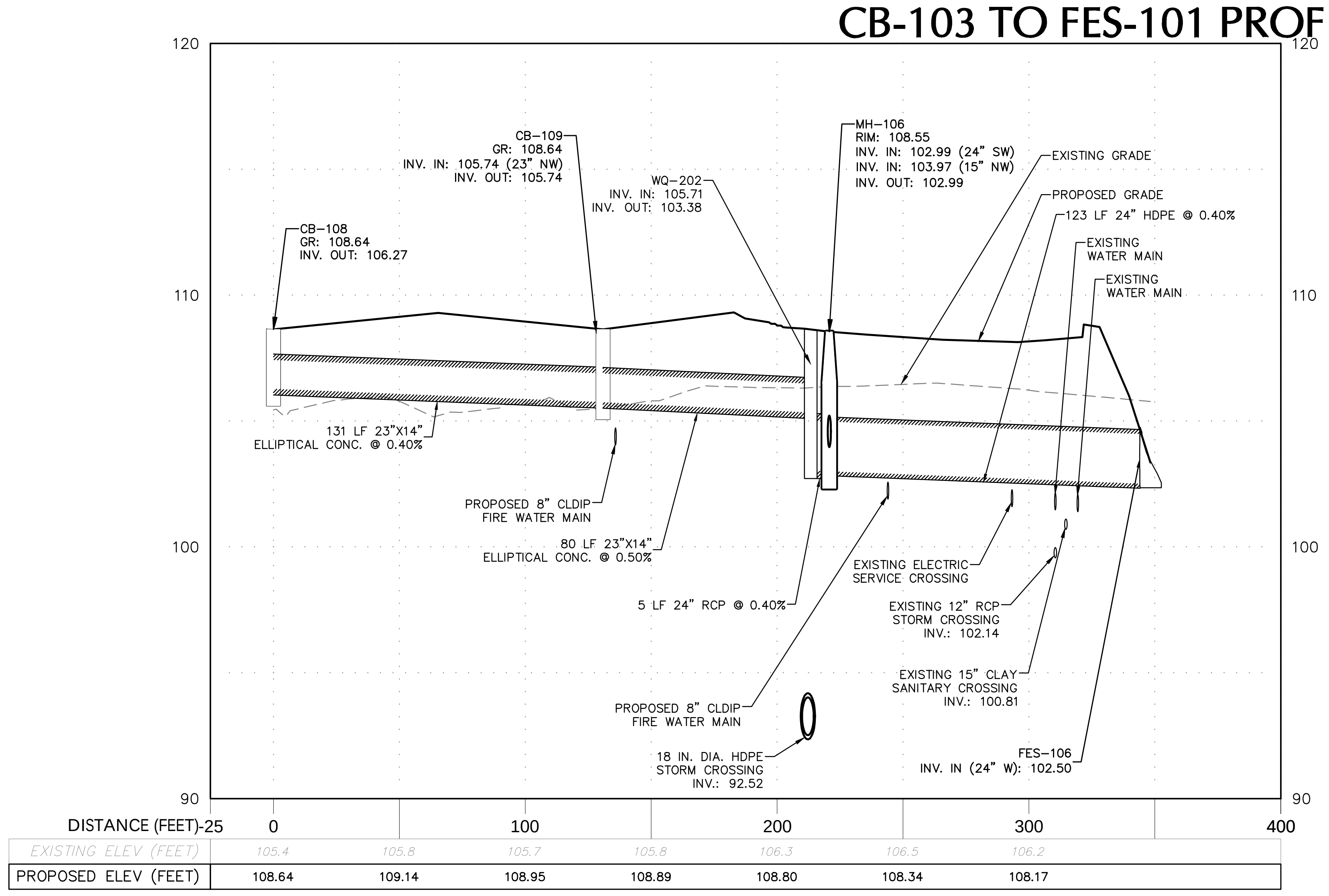
CB-101 TO FES-104 PROFILE


CB–103
RIM: 110.72
INV. OUT: 107.70
PROPOSED GRADE
EXISTING GRADE
CB–104
GR: 110.58
INV. IN: 107.07 (12" SE)
INV. OUT: 106.97
CB–105
GR: 111.04
INV. IN: 106.47 (12" SE)
INV. IN: 107.09 (10" NE)
INV. OUT: 106.37
CB–106
GR: 109.71
INV. IN: 105.89 (12" E)
INV. IN: 106.36 (12" SW)
INV. OUT: 105.63
126 LF 12" HDPE @ 0.50%
101 LF 12" HDPE @ 0.50%
95 LF 12" HDPE @ 0.50%
39 LF 15" HDPE @ 0.50%
WQ–201
INV. IN: 104.63
INV. OUT: 102.14
10 LF 15" HDPE @ 1.00%
FES–101
RIM: 104.46
INV. IN: 103.00 (15" NE)
120
110
100
90
DISTANCE (FEET)-25
0
100
200
300
400
EXISTING ELEV (FEET) 107.5 107.2 107.3 107.8 108.0 107.5 107.6 108.1
PROPOSED ELEV (FEET) 110.72 111.22 110.84 110.84 111.31 111.32 110.12 107.69

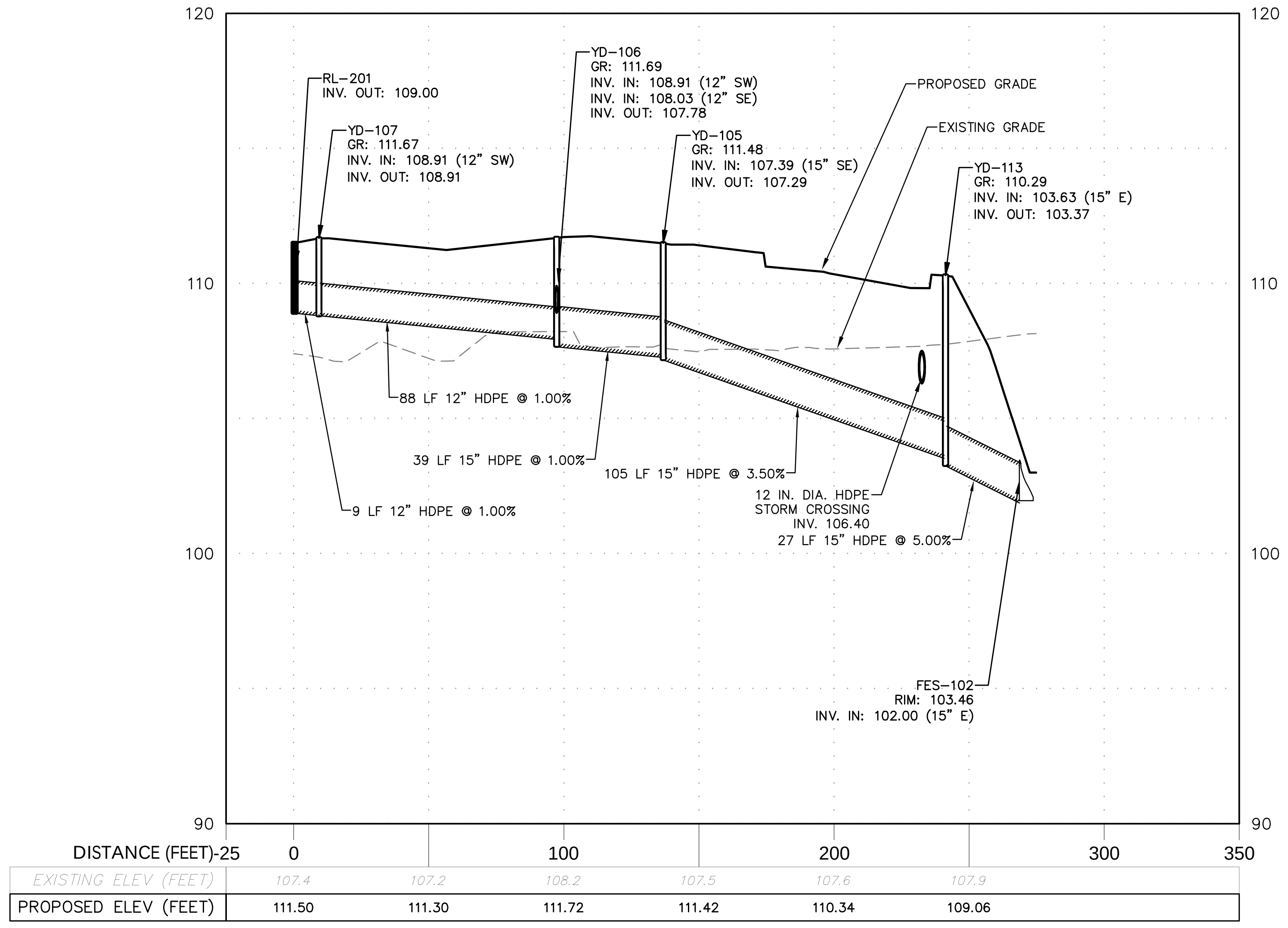
CB-103 TO FES-101 PROFILE


CB–106
RIM: 109.71
INV. IN: 105.89 (12" E)
INV. IN: 106.36 (12" SW)
INV. OUT: 105.63
CB–107
RIM: 109.64
INV. OUT: 106.89
EXISTING GRADE
PROPOSED GRADE
106 LF 12" HDPE @ 0.50%
8" DIA. PVC (SDR 35) SANITARY CROSSING INV. 101.39
15 IN. DIA. HDPE STORM CROSSING INV.: 103.90
120
110
100
90
DISTANCE (FEET)-25
0
100
150
EXISTING ELEV (FEET) 107.2 107.4 107.7
PROPOSED ELEV (FEET) 109.64 110.14 109.77

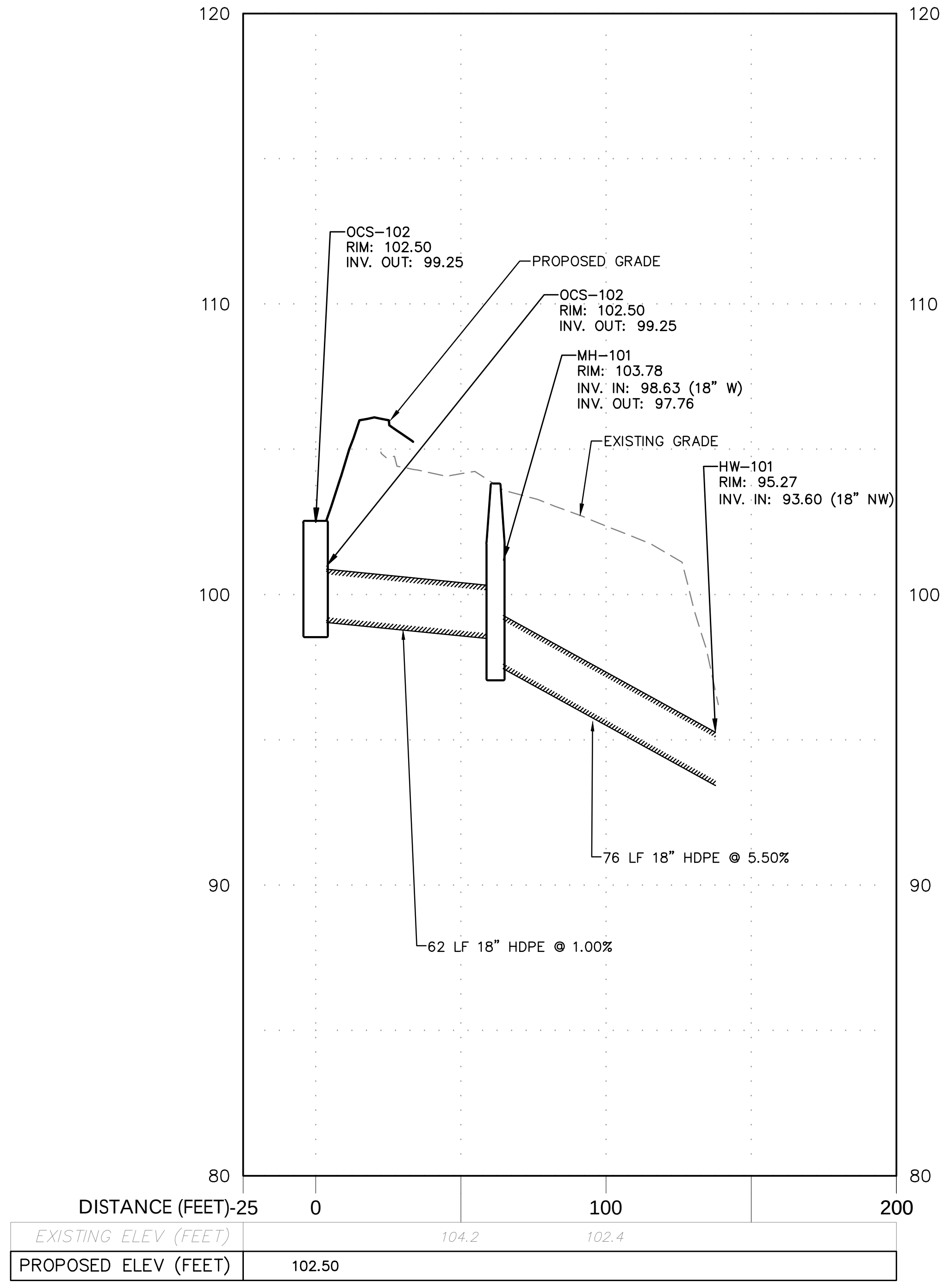
CB-107 TO CB-106 PROFILE


CB–109
GR: 108.64
INV. IN: 105.74 (23" NW)
INV. OUT: 105.74
CB–108
GR: 108.64
INV. OUT: 106.27
WQ–202
INV. IN: 105.71
INV. OUT: 103.38
MH–106
RIM: 108.55
INV. IN: 102.99 (24" SW)
INV. IN: 103.97 (15" NW)
INV. OUT: 102.99
EXISTING GRADE
PROPOSED GRADE
123 LF 24" HDPE @ 0.40%
EXISTING WATER MAIN
EXISTING WATER MAIN
131 LF 23"X14" ELLIPTICAL CONC. @ 0.40%
PROPOSED 8" CLDIP FIRE WATER MAIN
80 LF 23"X14" ELLIPTICAL CONC. @ 0.50%
5 LF 24" RCP @ 0.40%
EXISTING ELECTRIC SERVICE CROSSING
EXISTING 12" RCP STORM CROSSING INV.: 102.14
EXISTING 15" CLAY SANITARY CROSSING INV.: 100.81
PROPOSED 8" CLDIP FIRE WATER MAIN
18 IN. DIA. HDPE STORM CROSSING INV.: 92.52
FES–106
INV. IN (24" W): 102.50
120
110
100
90
DISTANCE (FEET)-25
0
100
200
300
400
EXISTING ELEV (FEET) 105.4 105.8 105.7 105.8 106.3 106.5 106.2
PROPOSED ELEV (FEET) 108.64 109.14 108.95 108.89 108.80 108.34 108.17

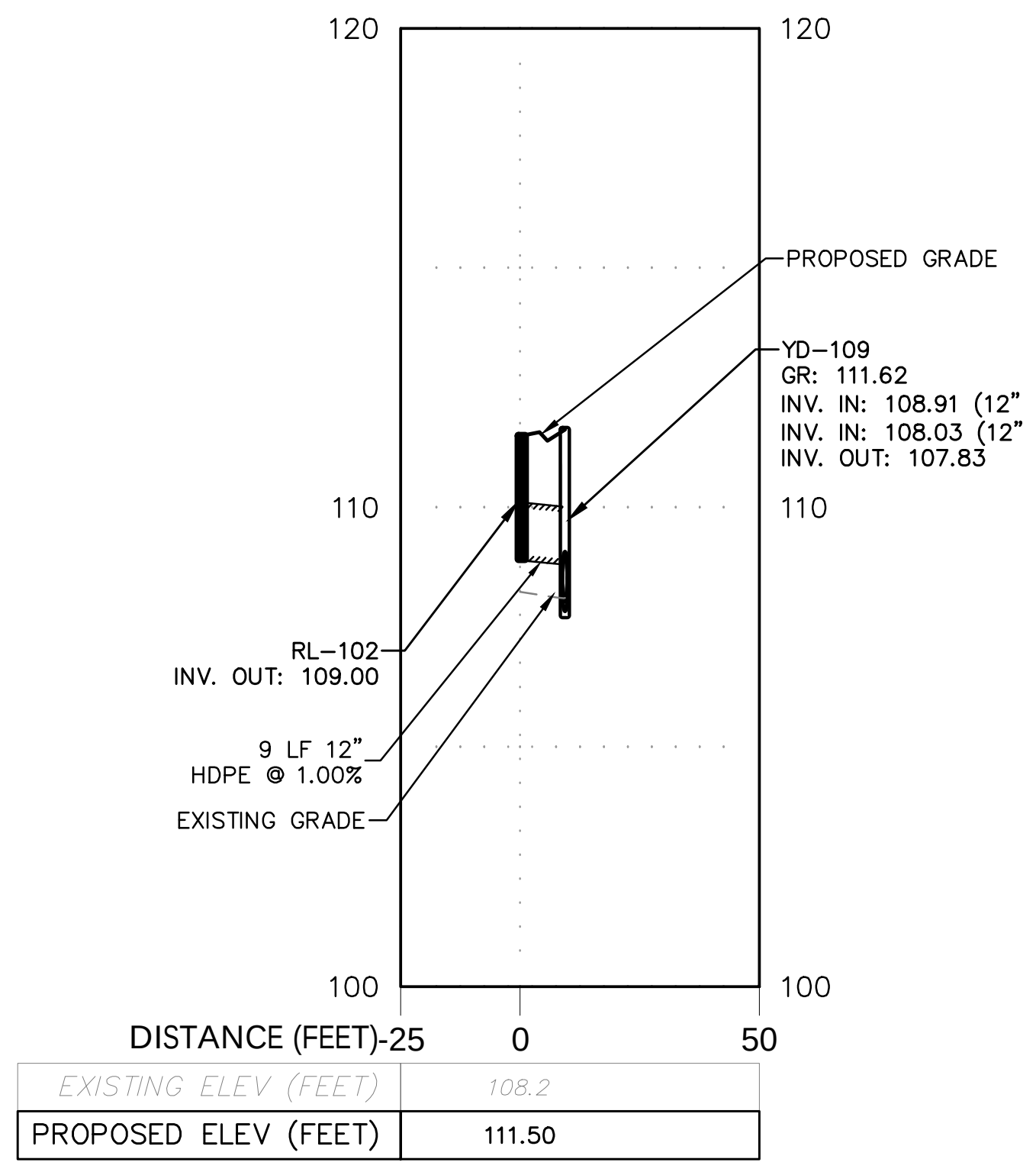
CB-108 TO FES-106 PROFILE


RL–201
INV. OUT: 109.00
YD–107
GR: 111.67
INV. IN: 108.91 (12" SW)
INV. OUT: 108.91
YD–106
GR: 111.69
INV. IN: 108.91 (12" SW)
INV. IN: 108.03 (12" SE)
INV. OUT: 107.78
YD–105
GR: 111.48
INV. IN: 107.39 (15" SE)
INV. OUT: 107.29
PROPOSED GRADE
EXISTING GRADE
YD–113
GR: 110.29
INV. IN: 103.63 (15" E)
INV. OUT: 103.37
88 LF 12" HDPE @ 1.00%
39 LF 15" HDPE @ 1.00%
105 LF 15" HDPE @ 3.50%
9 LF 12" HDPE @ 1.00%
12 IN. DIA. HDPE STORM CROSSING INV. 106.40
27 LF 15" HDPE @ 5.00%
FES–102
RIM: 103.46
INV. IN: 102.00 (15" E)
120
110
100
90
DISTANCE (FEET)-25
0
100
200
300
350
EXISTING ELEV (FEET) 107.4 107.2 108.2 107.5 107.6 107.9
PROPOSED ELEV (FEET) 111.50 111.30 111.72 111.42 110.34 109.06

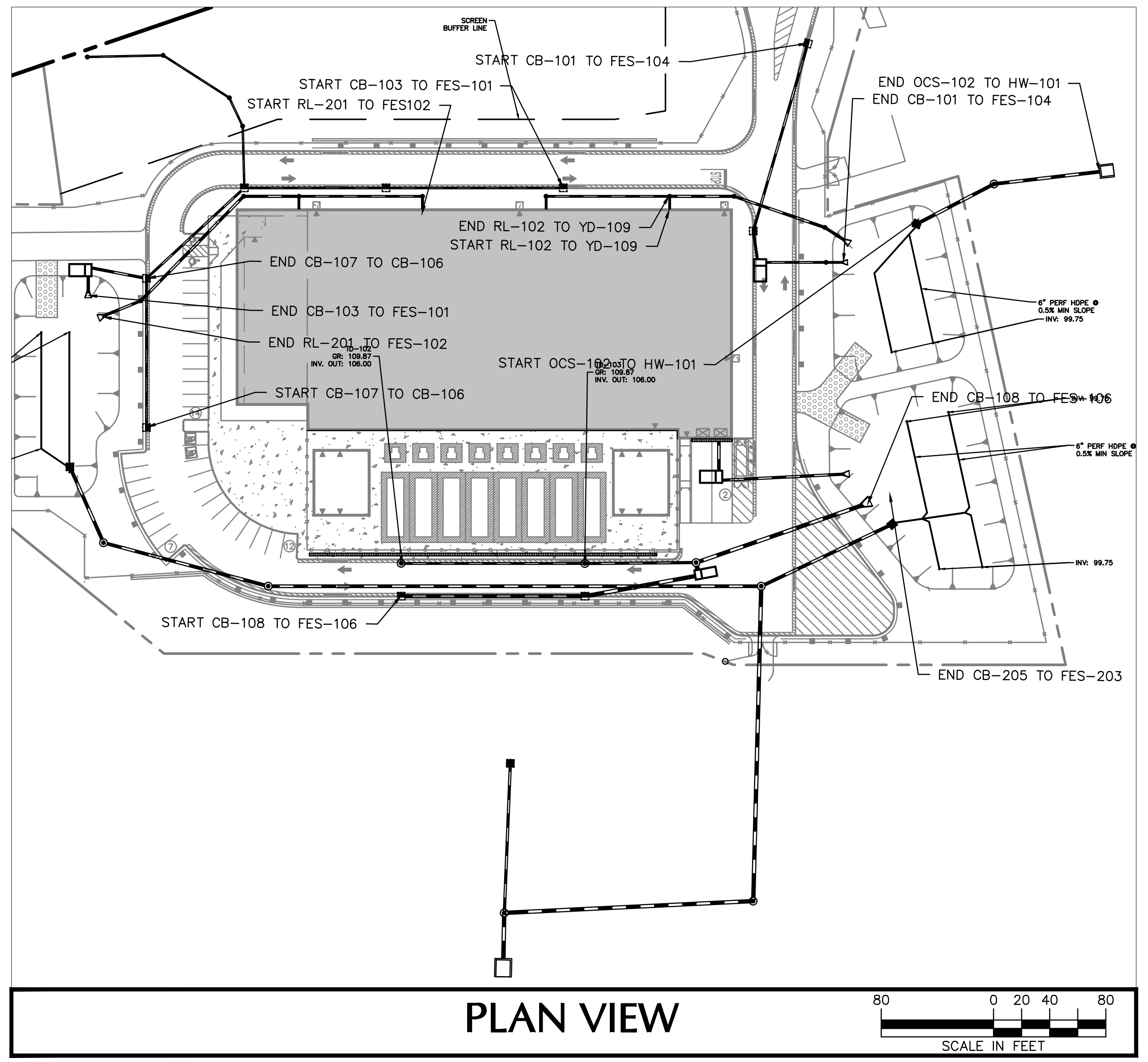
RL-201 TO FES-102 PROFILE


OCS–102
RIM: 102.50
INV. OUT: 99.25
PROPOSED GRADE
OCS–102
RIM: 102.50
INV. OUT: 99.25
MH–101
RIM: 103.78
INV. IN: 98.63 (18" W)
INV. OUT: 97.76
EXISTING GRADE
HW–101
RIM: 95.27
INV. IN: 93.60 (18" NW)
76 LF 18" HDPE @ 5.50%
62 LF 18" HDPE @ 1.00%
120
110
100
90
80
DISTANCE (FEET)-25
0
100
200
EXISTING ELEV (FEET) 104.2 102.4
PROPOSED ELEV (FEET) 102.50

OCS-102 TO HW-101 PROFILE


PROPOSED GRADE
YD–109
GR: 111.62
INV. IN: 108.91 (12" SW)
INV. IN: 108.03 (12" NW)
INV. OUT: 107.83
RL–102
INV. OUT: 109.00
9 LF 12" HDPE @ 1.00%
EXISTING GRADE
120
110
100
DISTANCE (FEET)-25
0
50
EXISTING ELEV (FEET) 108.2
PROPOSED ELEV (FEET) 111.50

RL-102 TO YD-109 PROFILE


SCREEN BUFFER LINE
START CB–101 TO FES–104
START CB–103 TO FES–101
START RL–201 TO FES102
END OCS–102 TO HW–101
END CB–101 TO FES–104
END RL–102 TO YD–109
START RL–102 TO YD–109
END CB–107 TO CB–106
END CB–103 TO FES–101
END RL–201 TO FES–102
START OCS–102 TO HW–101
START CB–107 TO CB–106
END CB–108 TO FES–106
6" PERF HDPE @ 0.5% MIN SLOPE
INV: 99.75
START CB–108 TO FES–106
END CB–205 TO FES–203
80
0
20
40
80
SCALE IN FEET

PLAN VIEW

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

PROFILE NOTES

1. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. PLAN VIEW OF STORM PIPES SHOWN IN PROFILES CAN BE FOUND ON DRAWING CG102 – DRAINAGE PLAN. PLAN VIEW OF SANITARY AND WATER PIPES SHOWN IN PROFILES CAN BE FOUND ON DRAWING CU101 – UTILITY PLAN.
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LEGEND

– – – – – –	EXISTING GRADE
———————	PROPOSED GRADE

PROFILES

VERTICAL SCALE: 1" = 4'

4 0 1 2 4

SCALE IN FEET

HORIZONTAL SCALE: 1" = 40'

40 0 10 20 40

SCALE IN FEET

Date	Description	No.
Revisions		

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

LANGAN
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Environmental Services, LLC
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Parsippany, NJ 07054
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NJ Certificate of Authorization No. 24GA27996400

Project
DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title
DRAINAGE PROFILES I

Project No.
102054601
Date
7/24/2026
Drawn By
ET
Checked By
BMW
Drawing No.
CG201

Project No. 102054601

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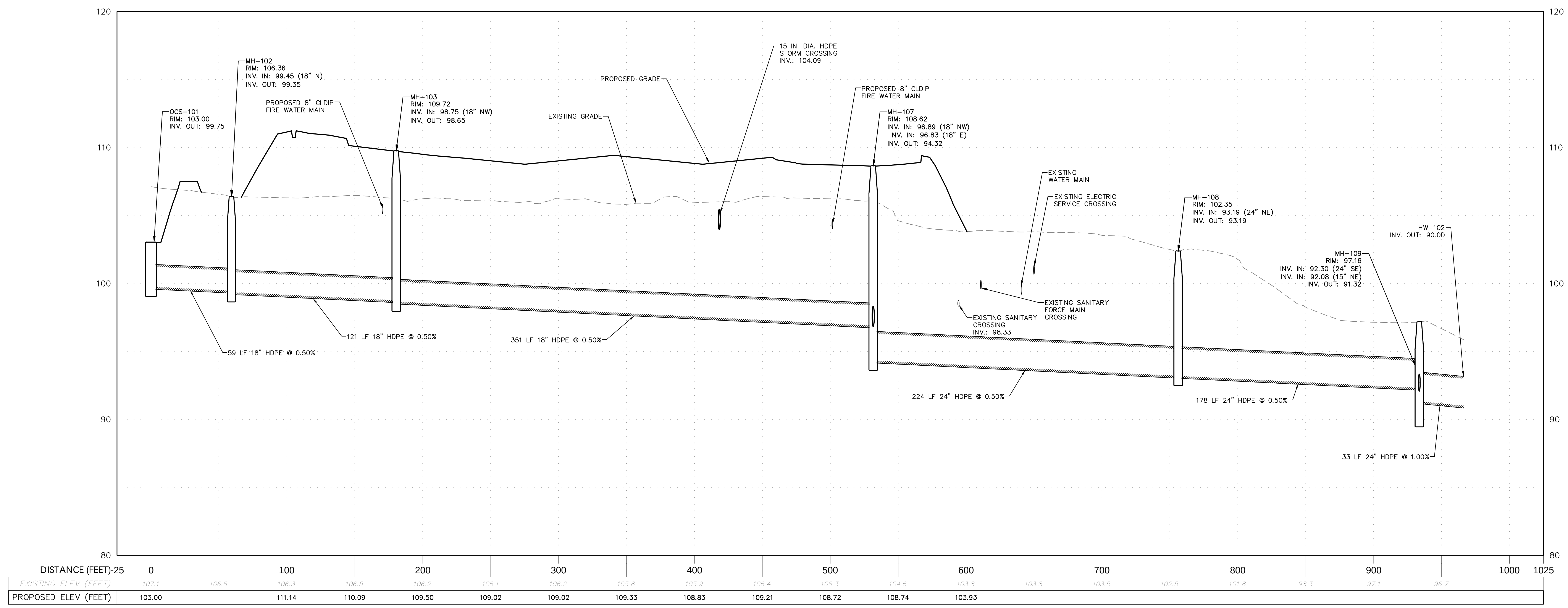
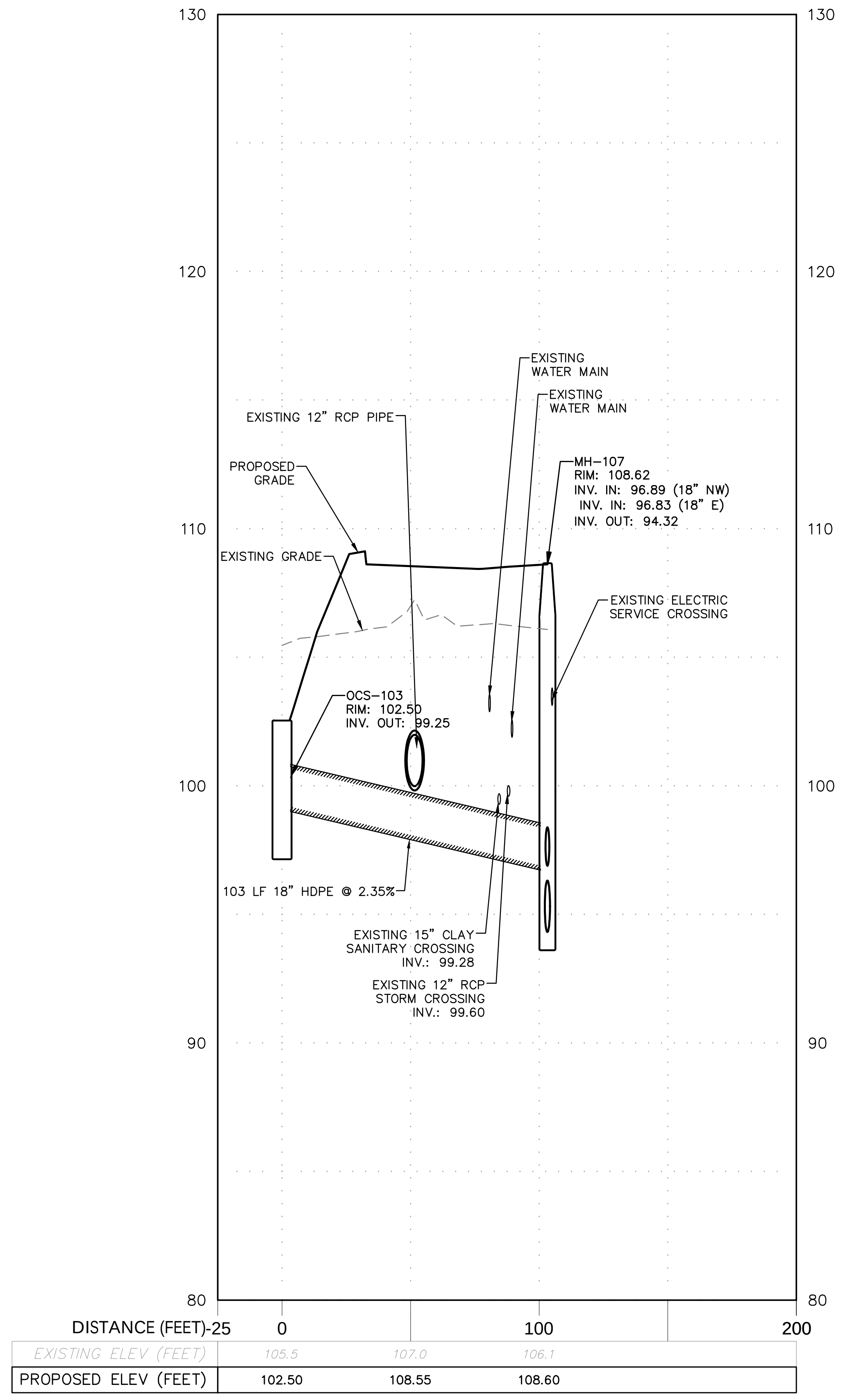
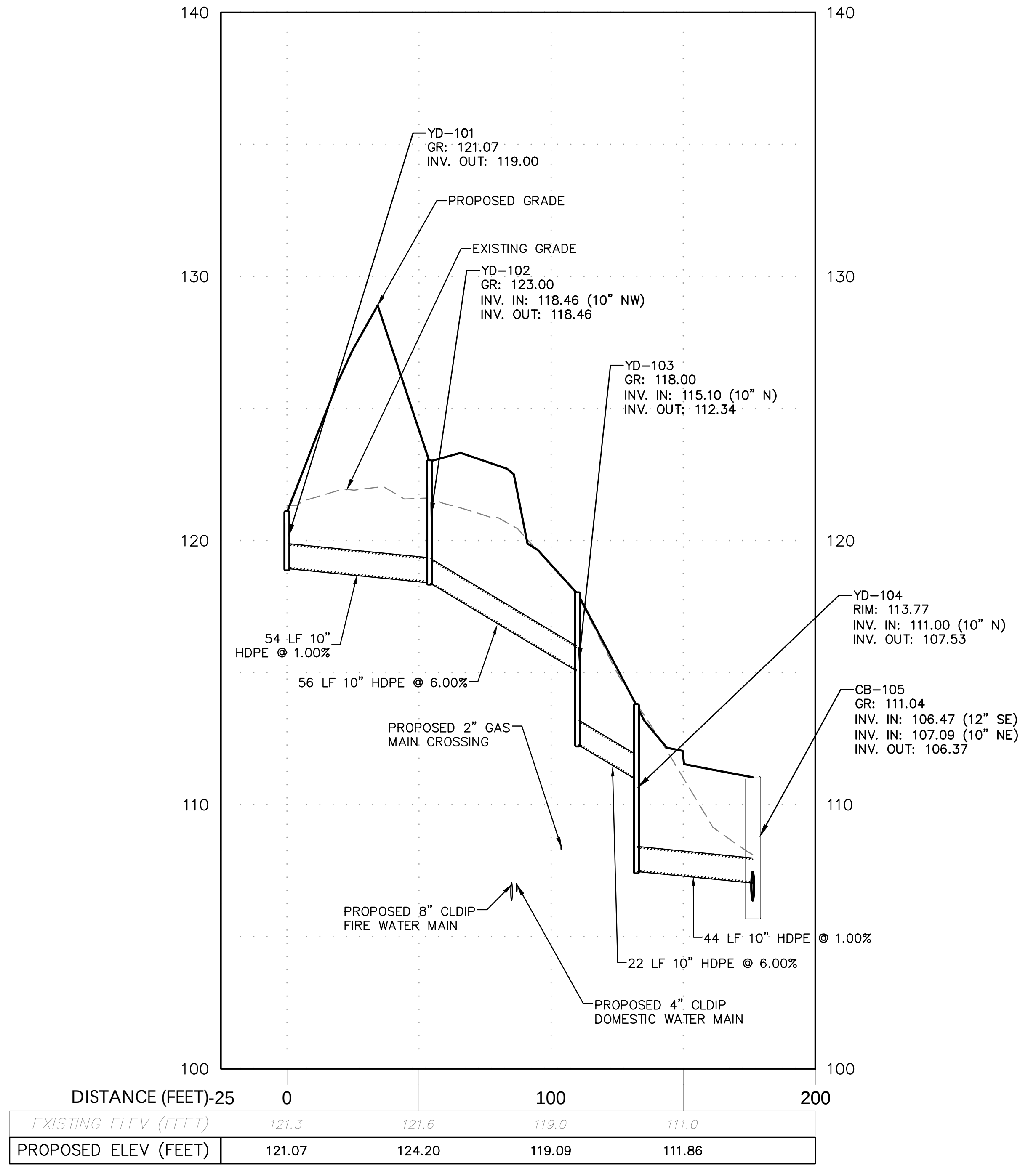

120
110
100
90
80
OCS-101
RIM: 103.00
INV. OUT: 99.75
MH-102
RIM: 106.36
INV. IN: 99.45 (18" N)
INV. OUT: 99.35
PROPOSED 8" CLDIP
FIRE WATER MAIN
MH-103
RIM: 109.72
INV. IN: 98.75 (18" NW)
INV. OUT: 98.65
EXISTING GRADE
PROPOSED GRADE
15 IN. DIA. HDPE
STORM CROSSING
INV.: 104.09
PROPOSED 8" CLDIP
FIRE WATER MAIN
MH-107
RIM: 108.62
INV. IN: 96.89 (18" NW)
INV. IN: 96.83 (18" E)
INV. OUT: 94.32
EXISTING
WATER MAIN
EXISTING ELECTRIC
SERVICE CROSSING
EXISTING SANITARY
FORCE MAIN
CROSSING
EXISTING SANITARY
CROSSING
INV.: 98.33
MH-108
RIM: 102.35
INV. IN: 93.19 (24" NE)
INV. OUT: 93.19
MH-109
RIM: 97.16
INV. IN: 92.30 (24" SE)
INV. IN: 92.08 (15" NE)
INV. OUT: 91.32
HW-102
INV. OUT: 90.00
59 LF 18" HDPE @ 0.50%
121 LF 18" HDPE @ 0.50%
351 LF 18" HDPE @ 0.50%
224 LF 24" HDPE @ 0.50%
178 LF 24" HDPE @ 0.50%
33 LF 24" HDPE @ 1.00%
DISTANCE (FEET)-25 0 100 200 300 400 500 600 700 800 900 1000 1025
EXISTING ELEV (FEET) 107.1 106.6 106.3 106.5 106.2 106.1 106.2 105.8 105.9 106.4 106.3 104.6 103.8 103.8 103.5 102.5 101.8 98.3 97.1 96.7
PROPOSED ELEV (FEET) 103.00 111.14 110.09 109.50 109.02 109.02 109.33 108.83 109.21 108.72 108.74 103.93

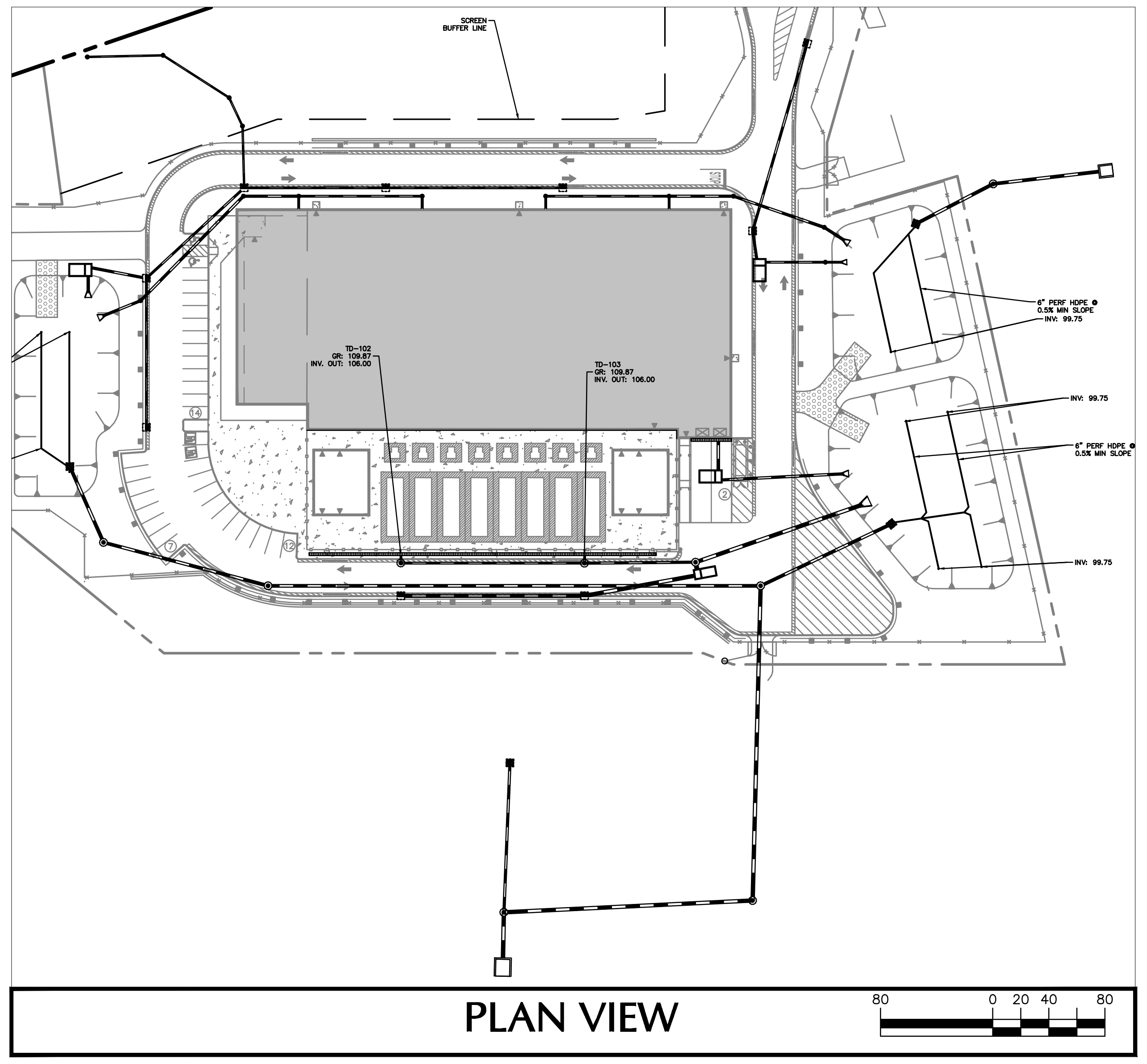
OCS-101 TO HW-102 PROFILE


130
120
110
100
90
80
EXISTING 12" RCP PIPE
PROPOSED
GRADE
EXISTING GRADE
EXISTING
WATER MAIN
EXISTING
WATER MAIN
MH-107
RIM: 108.62
INV. IN: 96.89 (18" NW)
INV. IN: 96.83 (18" E)
INV. OUT: 94.32
EXISTING ELECTRIC
SERVICE CROSSING
OCS-103
RIM: 102.50
INV. OUT: 99.25
103 LF 18" HDPE @ 2.35%
EXISTING 15" CLAY
SANITARY CROSSING
INV.: 99.28
EXISTING 12" RCP
STORM CROSSING
INV.: 99.60
DISTANCE (FEET)-25 0 100 200
EXISTING ELEV (FEET) 105.5 107.0 106.1
PROPOSED ELEV (FEET) 102.50 108.55 108.60

OCS-103 TO MH-107 PROFILE


140
130
120
110
100
YD-101
GR: 121.07
INV. OUT: 119.00
PROPOSED GRADE
EXISTING GRADE
YD-102
GR: 123.00
INV. IN: 118.46 (10" NW)
INV. OUT: 118.46
YD-103
GR: 118.00
INV. IN: 115.10 (10" N)
INV. OUT: 112.34
YD-104
RIM: 113.77
INV. IN: 111.00 (10" N)
INV. OUT: 107.53
CB-105
GR: 111.04
INV. IN: 106.47 (12" SE)
INV. IN: 107.09 (10" NE)
INV. OUT: 106.37
54 LF 10"
HDPE @ 1.00%
56 LF 10" HDPE @ 6.00%
PROPOSED 2" GAS
MAIN CROSSING
PROPOSED 8" CLDIP
FIRE WATER MAIN
44 LF 10" HDPE @ 1.00%
22 LF 10" HDPE @ 6.00%
PROPOSED 4" CLDIP
DOMESTIC WATER MAIN
DISTANCE (FEET)-25 0 100 200
EXISTING ELEV (FEET) 121.3 121.6 119.0 111.0
PROPOSED ELEV (FEET) 121.07 124.20 119.09 111.86

YD-101 TO CB-105 PROFILE


SCREEN
BUFFER LINE
TD-102
GR: 109.87
INV. OUT: 106.00
TD-103
GR: 109.87
INV. OUT: 106.00
6" PERF HDPE @
0.5% MIN SLOPE
INV: 99.75
INV: 99.75
6" PERF HDPE @
0.5% MIN SLOPE
INV: 99.75
80 0 20 40 80

PLAN VIEW

NOTES:

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LEGEND

– – – – – – – –	EXISTING GRADE
———————	PROPOSED GRADE

PROFILES

VERTICAL SCALE: 1" = 4'

4 0 1 2 4
SCALE IN FEET

HORIZONTAL SCALE: 1" = 40'

40 0 10 20 40
SCALE IN FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

DRAINAGE PROFILES II

Project No. 102054601	Drawing No. CG202
Date 7/24/2026	
Drawn By ET	
Checked By BMW	

Project No. 102054601

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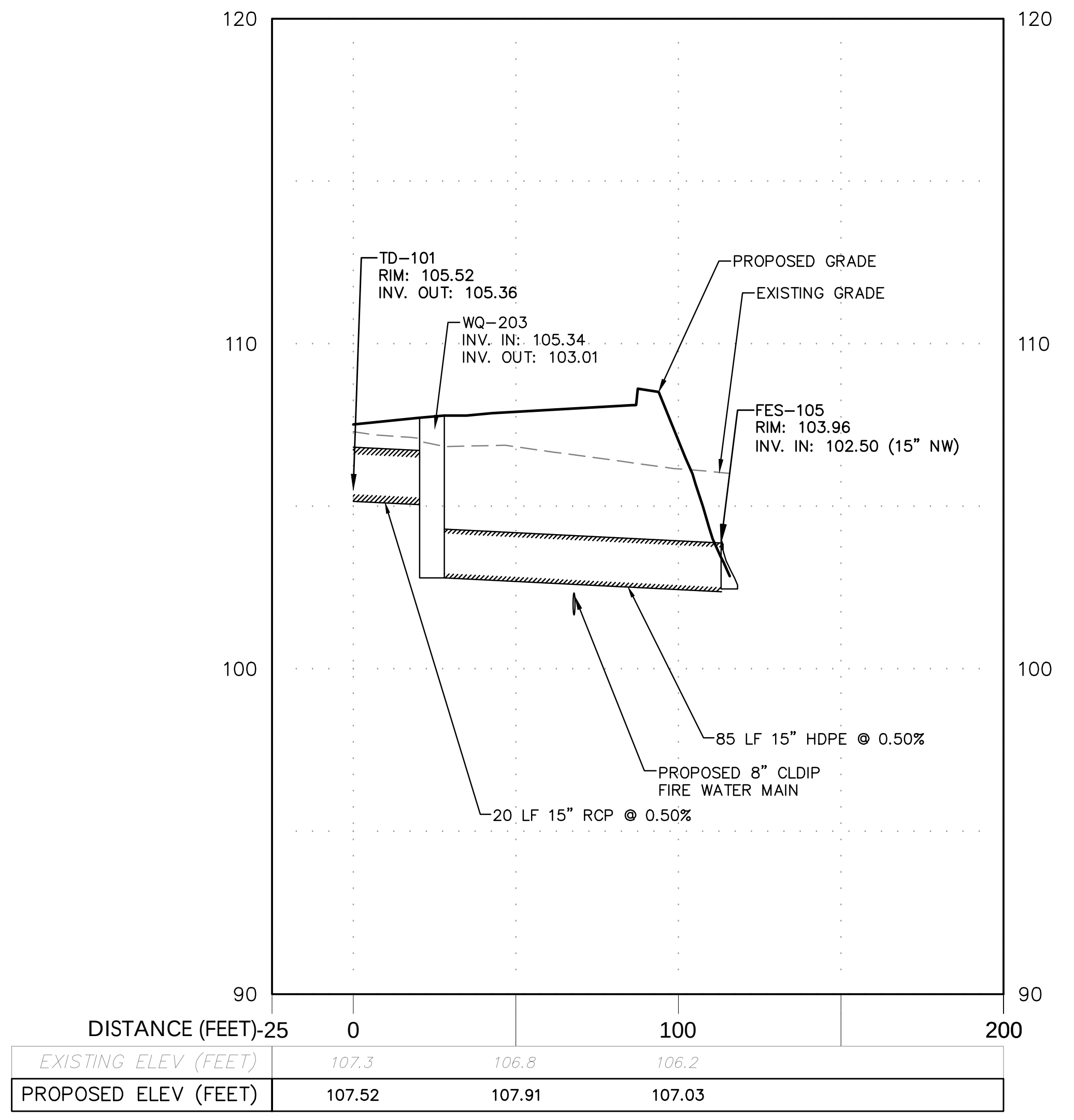
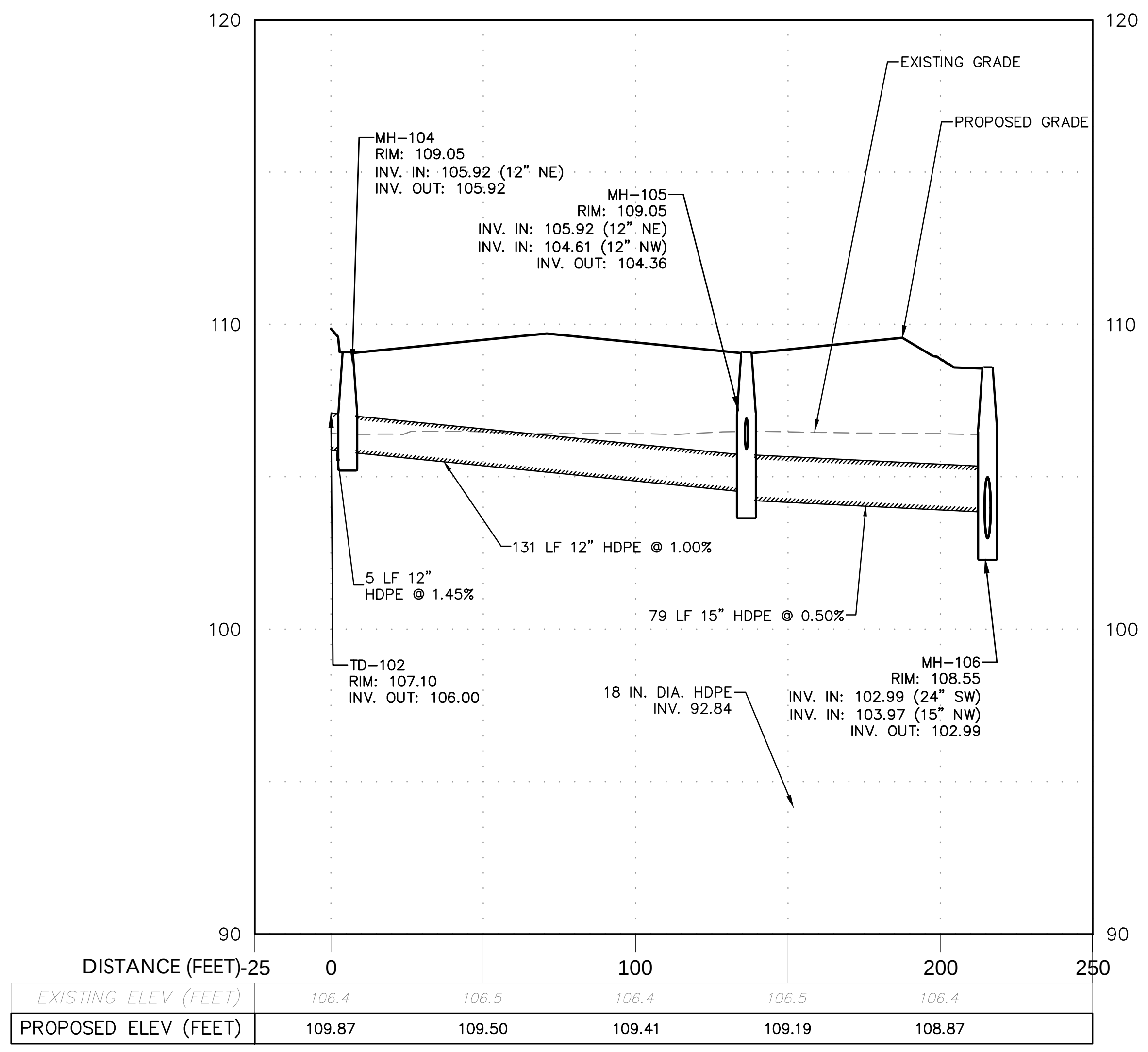
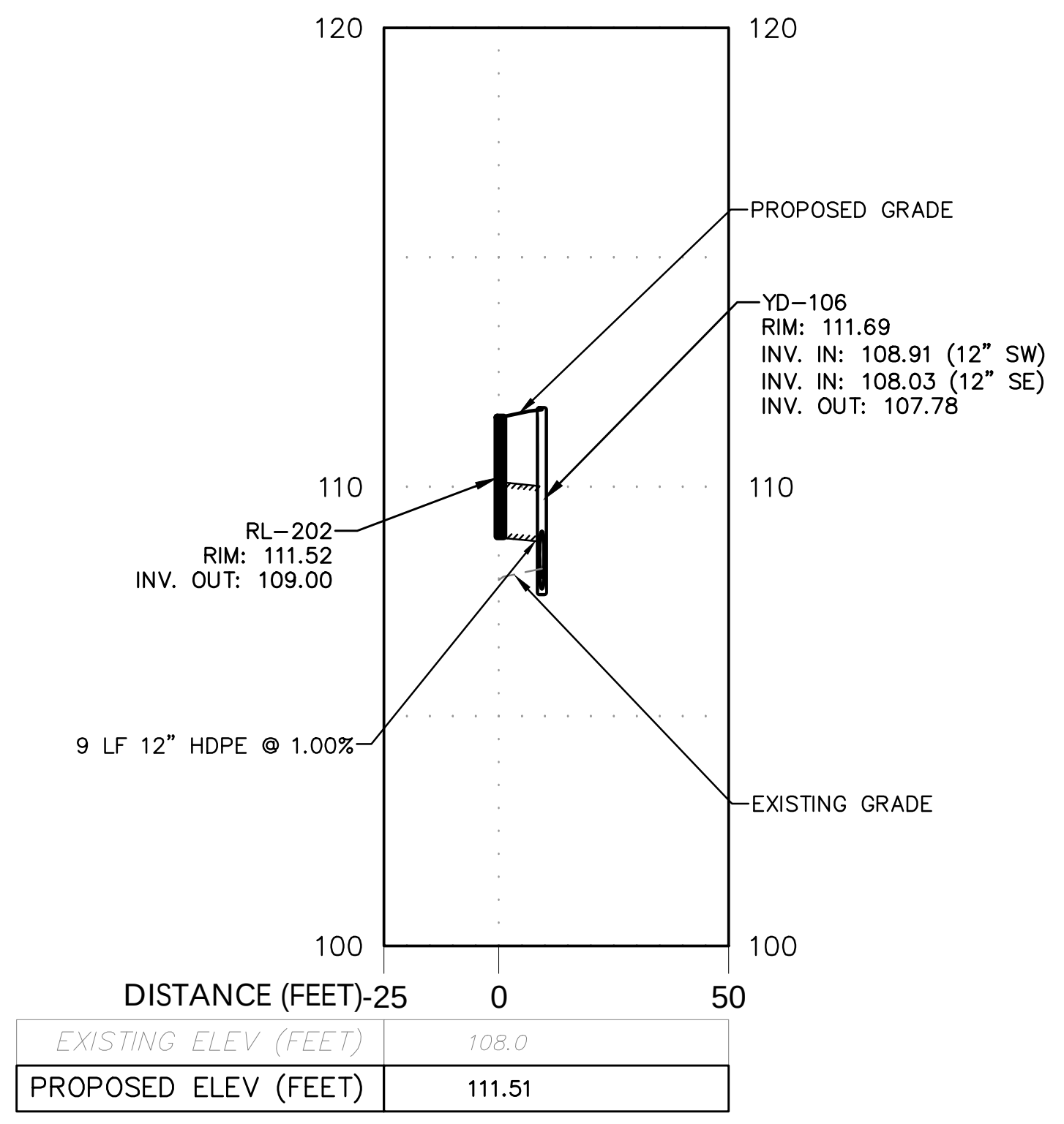

120
110
100
90
TD-101
RIM: 105.52
INV. OUT: 105.36
WQ-203
INV. IN: 105.34
INV. OUT: 103.01
PROPOSED GRADE
EXISTING GRADE
FES-105
RIM: 103.96
INV. IN: 102.50 (15" NW)
85 LF 15" HDPE @ 0.50%
PROPOSED 8" CLDIP
FIRE WATER MAIN
20 LF 15" RCP @ 0.50%
DISTANCE (FEET) -25 0 100 200
EXISTING ELEV (FEET) 107.3 106.8 106.2
PROPOSED ELEV (FEET) 107.52 107.91 107.03

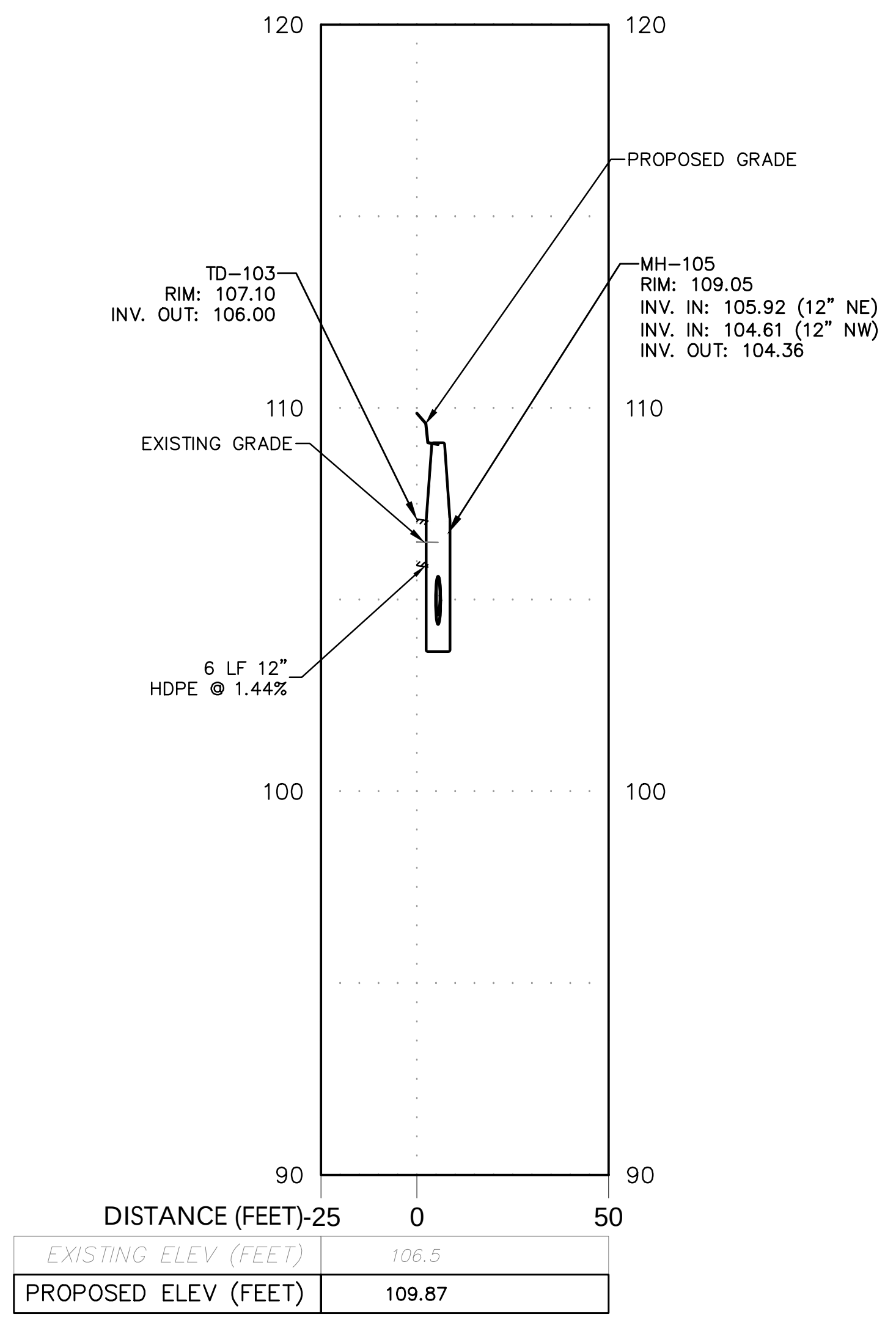
TD-101 TO FES-105 PROFILE


120
110
100
90
EXISTING GRADE
PROPOSED GRADE
MH-104
RIM: 109.05
INV. IN: 105.92 (12" NE)
INV. OUT: 105.92
MH-105
RIM: 109.05
INV. IN: 105.92 (12" NE)
INV. IN: 104.61 (12" NW)
INV. OUT: 104.36
131 LF 12" HDPE @ 1.00%
5 LF 12"
HDPE @ 1.45%
79 LF 15" HDPE @ 0.50%
TD-102
RIM: 107.10
INV. OUT: 106.00
18 IN. DIA. HDPE
INV. 92.84
MH-106
RIM: 108.55
INV. IN: 102.99 (24" SW)
INV. IN: 103.97 (15" NW)
INV. OUT: 102.99
DISTANCE (FEET) -25 0 100 200 250
EXISTING ELEV (FEET) 106.4 106.5 106.4 106.5 106.4
PROPOSED ELEV (FEET) 109.87 109.50 109.41 109.19 108.87

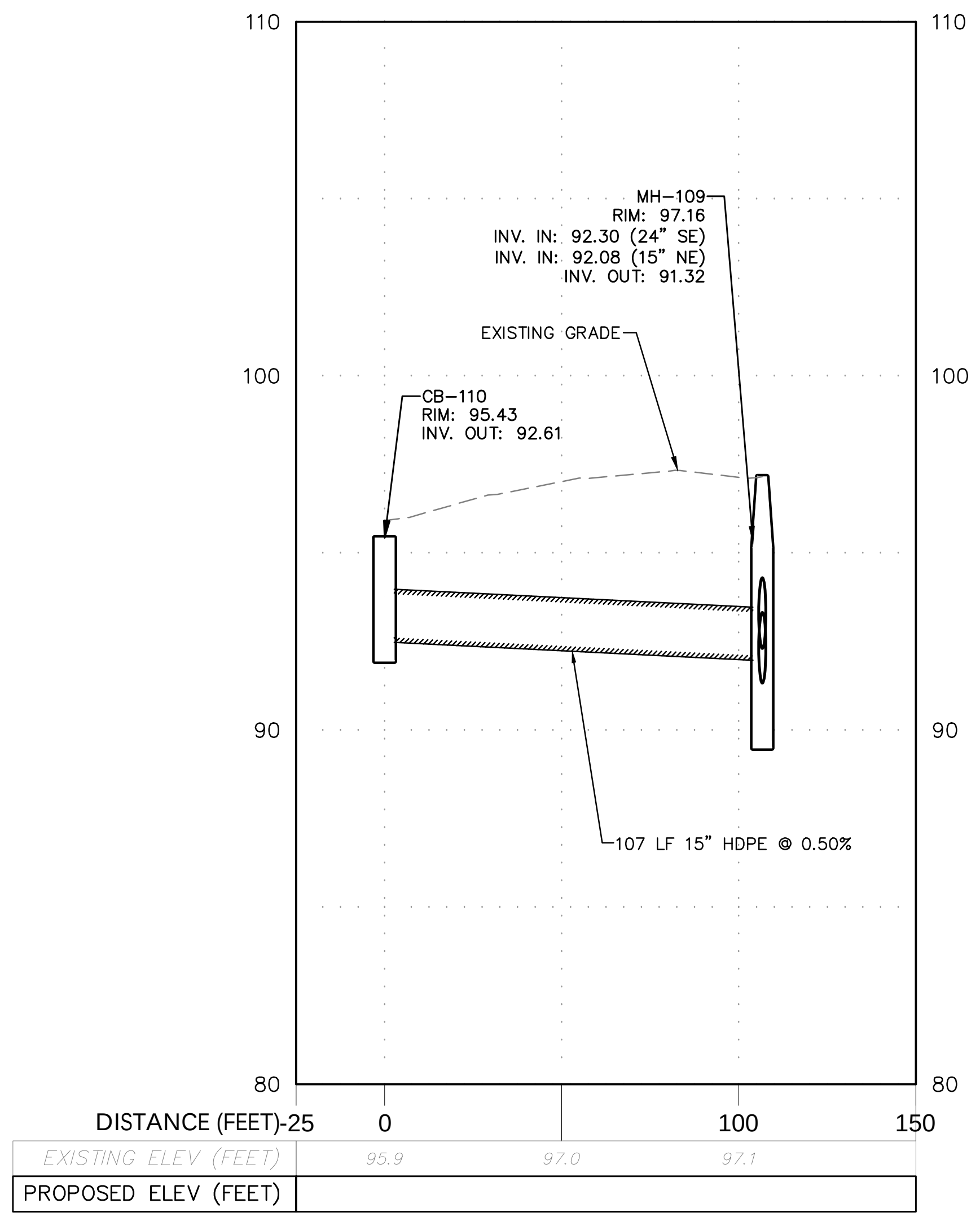
TD-102 TO MH-106 PROFILE


120
110
100
PROPOSED GRADE
YD-106
RIM: 111.69
INV. IN: 108.91 (12" SW)
INV. IN: 108.03 (12" SE)
INV. OUT: 107.78
RL-202
RIM: 111.52
INV. OUT: 109.00
9 LF 12" HDPE @ 1.00%
EXISTING GRADE
DISTANCE (FEET) -25 0 50
EXISTING ELEV (FEET) 108.0
PROPOSED ELEV (FEET) 111.51

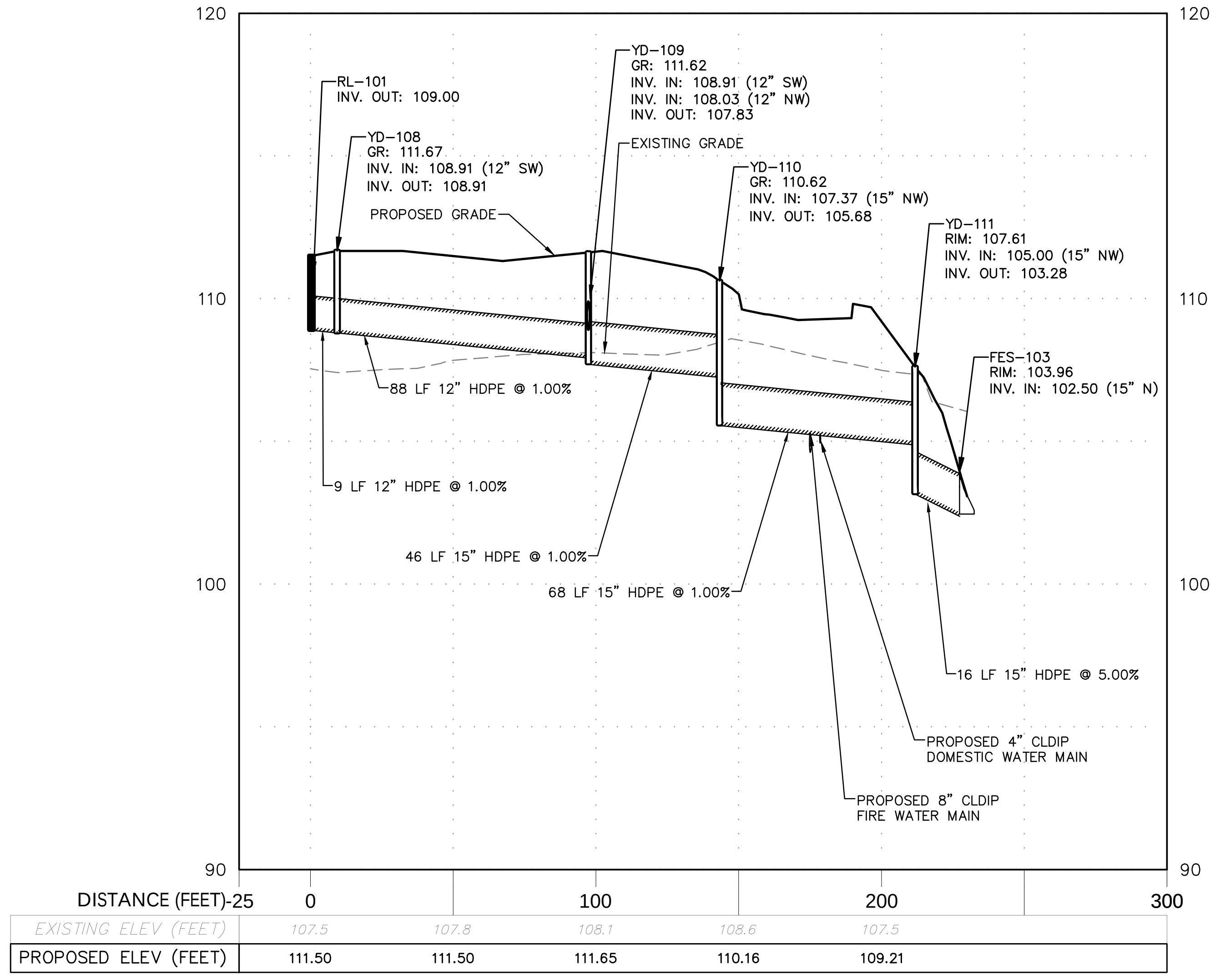
RL-202 TO YD-106 PROFILE


120
110
100
90
PROPOSED GRADE
TD-103
RIM: 107.10
INV. OUT: 106.00
MH-105
RIM: 109.05
INV. IN: 105.92 (12" NE)
INV. IN: 104.61 (12" NW)
INV. OUT: 104.36
EXISTING GRADE
6 LF 12"
HDPE @ 1.44%
DISTANCE (FEET) -25 0 50
EXISTING ELEV (FEET) 106.5
PROPOSED ELEV (FEET) 109.87

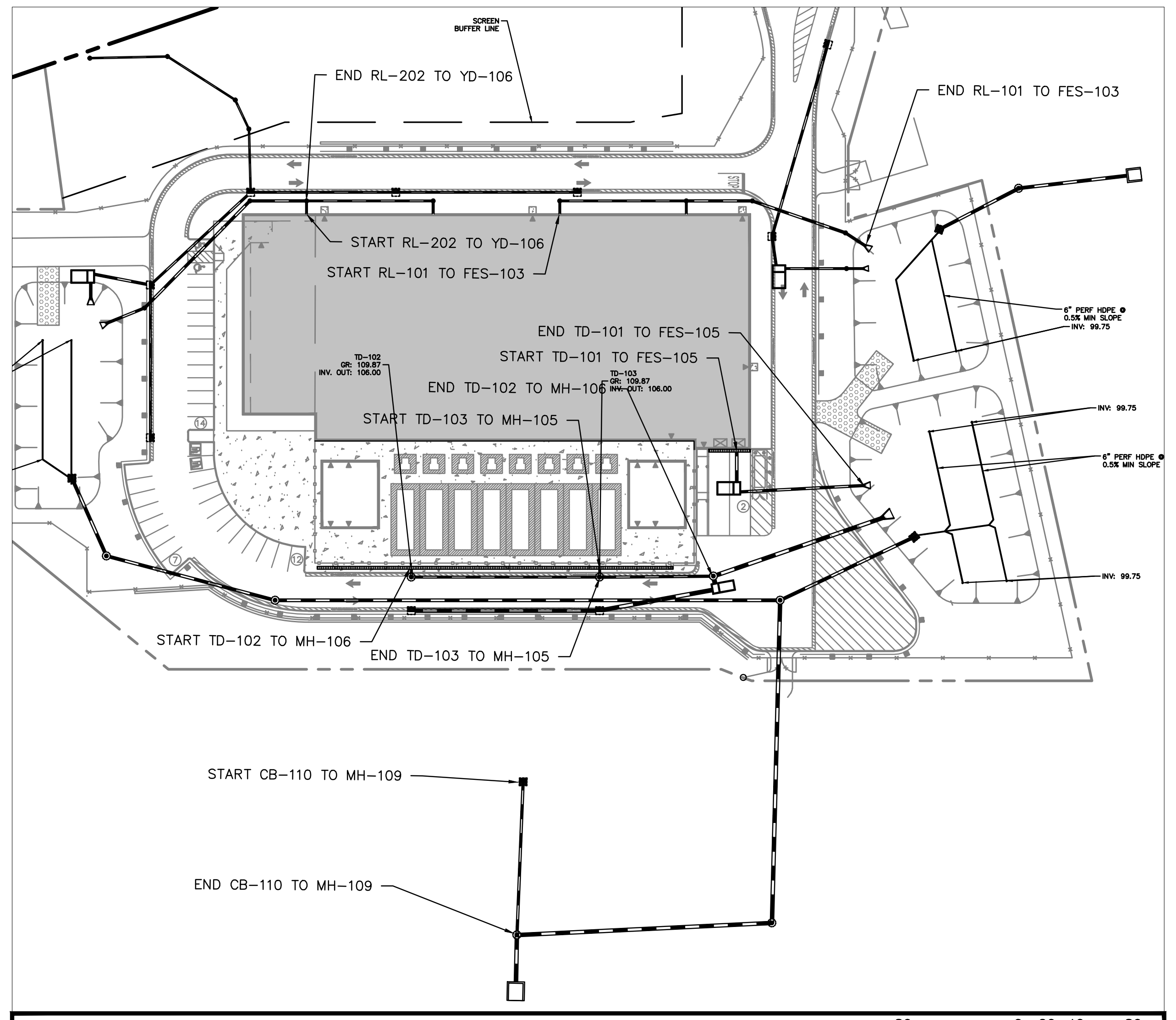
TD-103 TO MH-105 PROFILE


110
100
90
80
MH-109
RIM: 97.16
INV. IN: 92.30 (24" SE)
INV. IN: 92.08 (15" NE)
INV. OUT: 91.32
EXISTING GRADE
CB-110
RIM: 95.43
INV. OUT: 92.61
107 LF 15" HDPE @ 0.50%
DISTANCE (FEET) -25 0 100 150
EXISTING ELEV (FEET) 95.9 97.0 97.1
PROPOSED ELEV (FEET)

CB-110 TO MH-109 PROFILE


120
110
100
90
RL-101
INV. OUT: 109.00
YD-108
GR: 111.67
INV. IN: 108.91 (12" SW)
INV. OUT: 108.91
PROPOSED GRADE
YD-109
GR: 111.62
INV. IN: 108.91 (12" SW)
INV. IN: 108.03 (12" NW)
INV. OUT: 107.83
EXISTING GRADE
YD-110
GR: 110.62
INV. IN: 107.37 (15" NW)
INV. OUT: 105.68
YD-111
RIM: 107.61
INV. IN: 105.00 (15" NW)
INV. OUT: 103.28
FES-103
RIM: 103.96
INV. IN: 102.50 (15" N)
88 LF 12" HDPE @ 1.00%
9 LF 12" HDPE @ 1.00%
46 LF 15" HDPE @ 1.00%
68 LF 15" HDPE @ 1.00%
16 LF 15" HDPE @ 5.00%
PROPOSED 4" CLDIP
DOMESTIC WATER MAIN
PROPOSED 8" CLDIP
FIRE WATER MAIN
DISTANCE (FEET) -25 0 100 200 300
EXISTING ELEV (FEET) 107.5 107.8 108.1 108.6 107.5
PROPOSED ELEV (FEET) 111.50 111.50 111.65 110.16 109.21

RL-101 TO FES-103 PROFILE


SCREEN BUFFER LINE
END RL-202 TO YD-106
END RL-101 TO FES-103
START RL-202 TO YD-106
START RL-101 TO FES-103
6" PERF HDPE @ 0.5% MIN SLOPE
INV: 99.75
END TD-101 TO FES-105
START TD-101 TO FES-105
TD-102
GR: 109.87
INV. OUT: 106.00
TD-103
GR: 109.87
INV. OUT: 106.00
END TD-102 TO MH-106
START TD-103 TO MH-105
INV: 99.75
6" PERF HDPE @ 0.5% MIN SLOPE
INV: 99.75
START TD-102 TO MH-106
END TD-103 TO MH-105
START CB-110 TO MH-109
END CB-110 TO MH-109
80 0 20 40 80

PLAN VIEW

NOTES:

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LEGEND

– – – – – – – –	EXISTING GRADE
————————	PROPOSED GRADE

PROFILES

VERTICAL SCALE: 1" = 4'

4 0 1 2 4

SCALE IN FEET

HORIZONTAL SCALE: 1" = 40'

40 0 10 20 40

SCALE IN FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026

Signature Date

LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

LANGAN
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Environmental Services, LLC

300 Kimball Drive
Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

DRAINAGE PROFILES III

Project No. **102054601**
Date **7/24/2026**
Drawn By **ET**
Checked By **BMW**
Drawing No. CG203

Project No. 102054601

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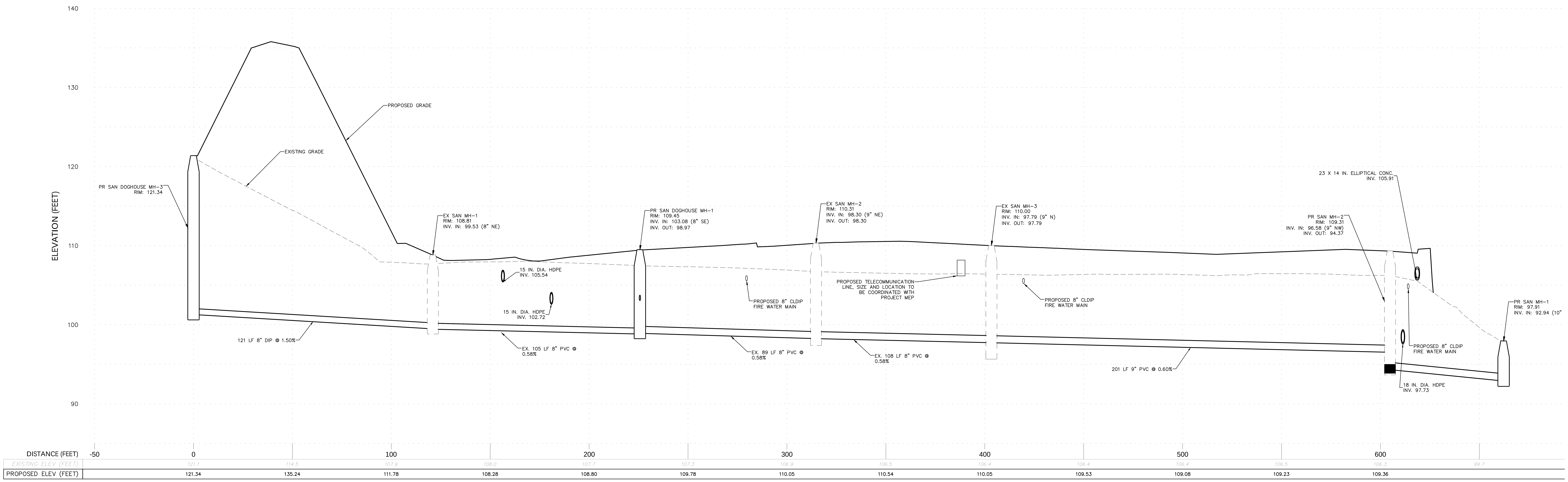
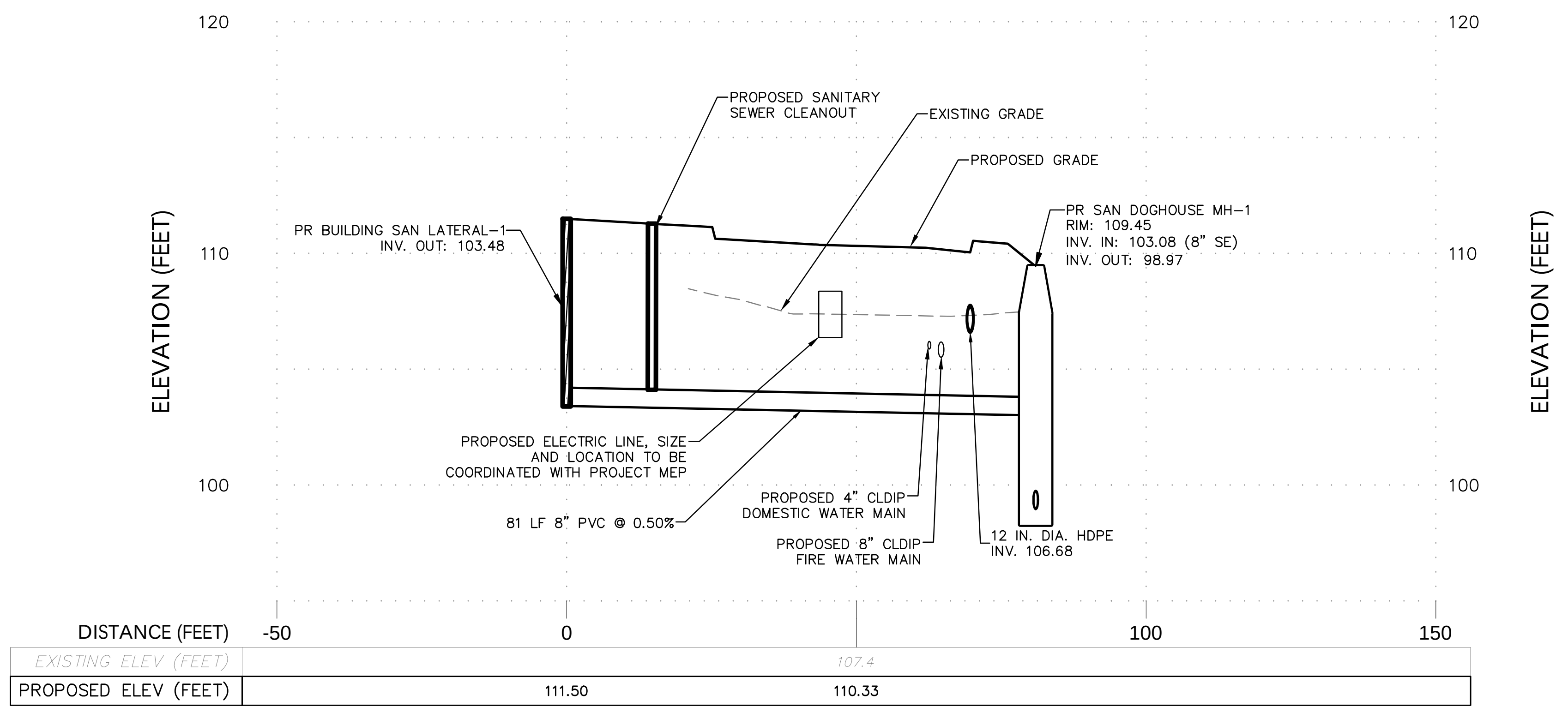
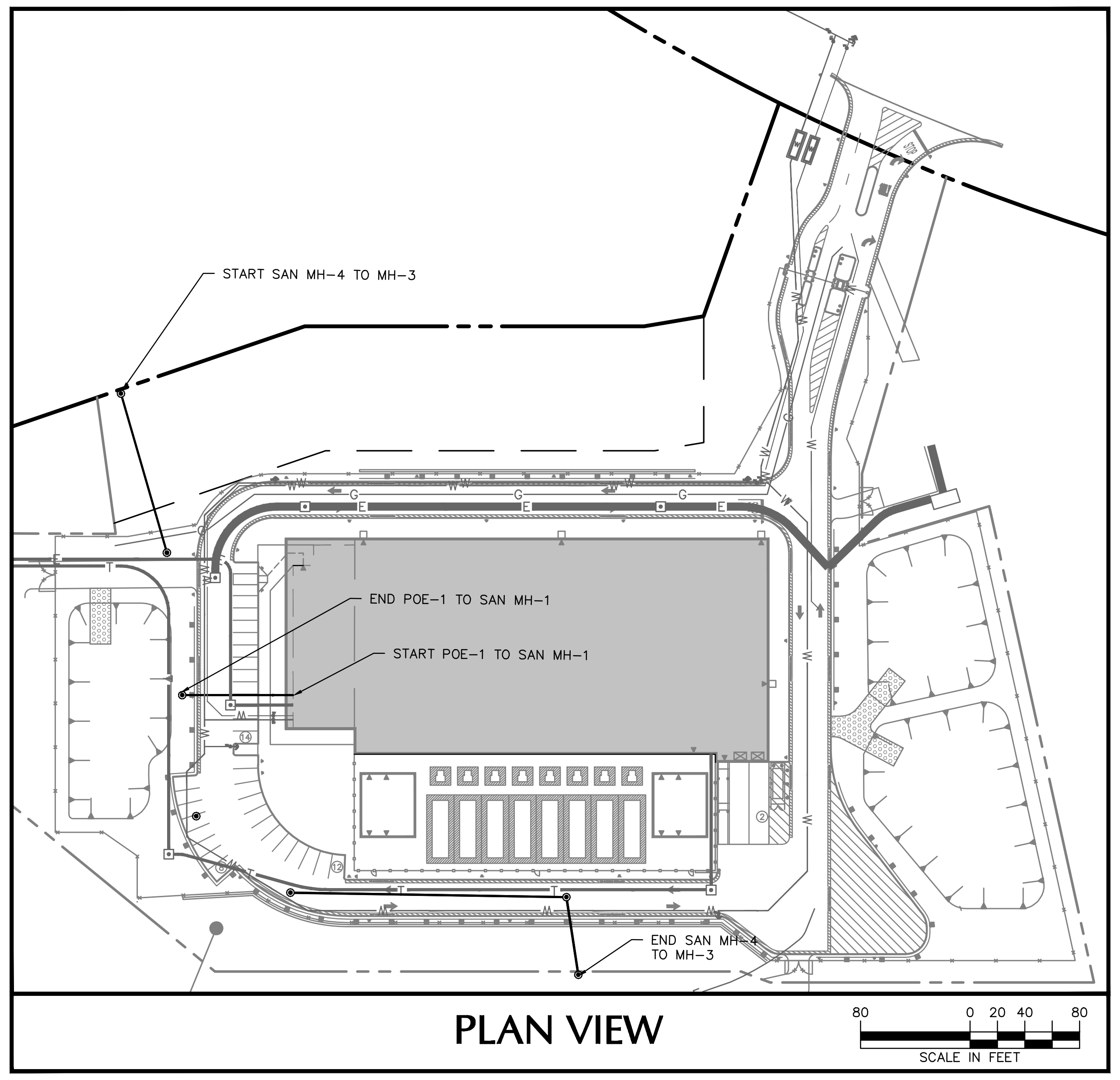


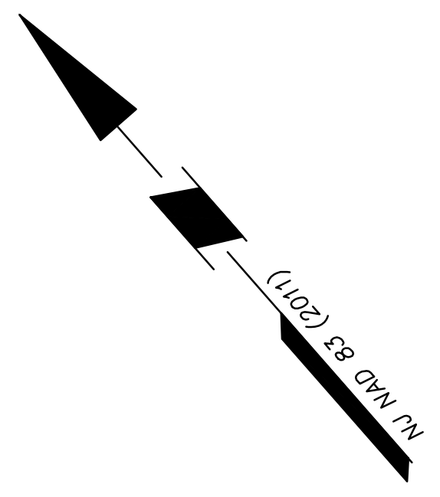
SANITARY SEWER PROFILE
(SAN MH-4 to MH-3)



SANITARY SEWER PROFILE
(POE-1 TO SAN MH-1)



PLAN VIEW



PROFILE NOTES

1. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. PLAN VIEW OF STORM PIPES SHOWN IN PROFILES CAN BE FOUND ON DRAWING CG102 – DRAINAGE PLAN. PLAN VIEW OF SANITARY AND WATER PIPES SHOWN IN PROFILES CAN BE FOUND ON DRAWING CU101 – UTILITY PLAN.
3. EXISTING UTILITY INFORMATION SHOWN ON THE PROFILE WAS OBTAINED FROM VARIOUS SOURCES AS INDICATED ON THE TOPOGRAPHIC SURVEY AND SHOULD NOT BE CONSIDERED EXACT. THE CONTRACTOR MAY HAVE TO EMPLOY ADDITIONAL MEASURES, INCLUDING TEST PITS, TO VERIFY EXISTING CONDITIONS.
4. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S ENGINEER PRIOR TO ADJUSTING ELEVATIONS TO RESOLVE CONFLICTS WITH OTHER UTILITIES. CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT FOR SANITARY PIPES AS REQUIRED IN CONSTRUCTION DETAILS OR BY REGULATORY AUTHORITY.
5. THE PROFILES ARE NOT INTENDED TO BE USED FOR CALCULATING EARTHWORK QUANTITIES.
6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OF COMPLETE. THE CONTRACTOR MUST CALL NEW JERSEY ONE-CALL AND THE APPROPRIATE UTILITY COMPANIES TO REQUEST EXACT FIELD-LOCATION OF UTILITIES. IT SHALL BE RESPONSIBLE OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.

LEGEND

— — — — —	EXISTING GRADE
———	PROPOSED GRADE

CONTRACTOR TO CONFIRM PROPOSED SANITARY SEWER HAS A MIN. 18" CLEARANCE TO WATER MAINS AND STORM SEWER PIPES AND MIN. 12" CLEARANCE TO ALL OTHER UTILITIES

PROFILES

VERTICAL SCALE: 1" = 5'
5 0 1.25 2.5 5
SCALE IN FEET

HORIZONTAL SCALE: 1" = 20'
20 0 5 10 20
SCALE IN FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

LANGAN
Langan Engineering and
Environmental Services, LLC

300 Kimball Drive
Parsippany, NJ 07054

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

UTILITY PROFILES I

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

Drawing No.
CU201

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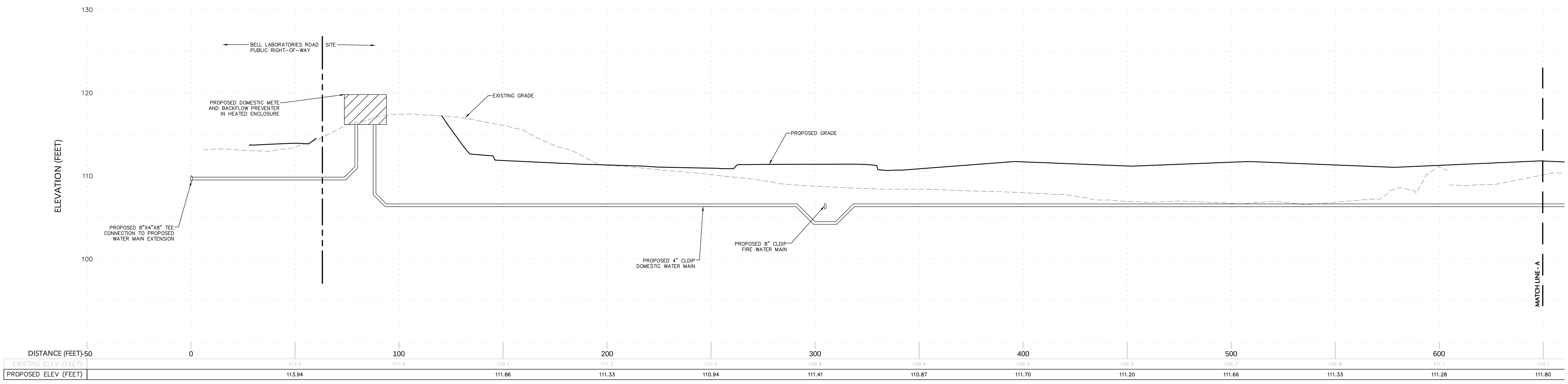
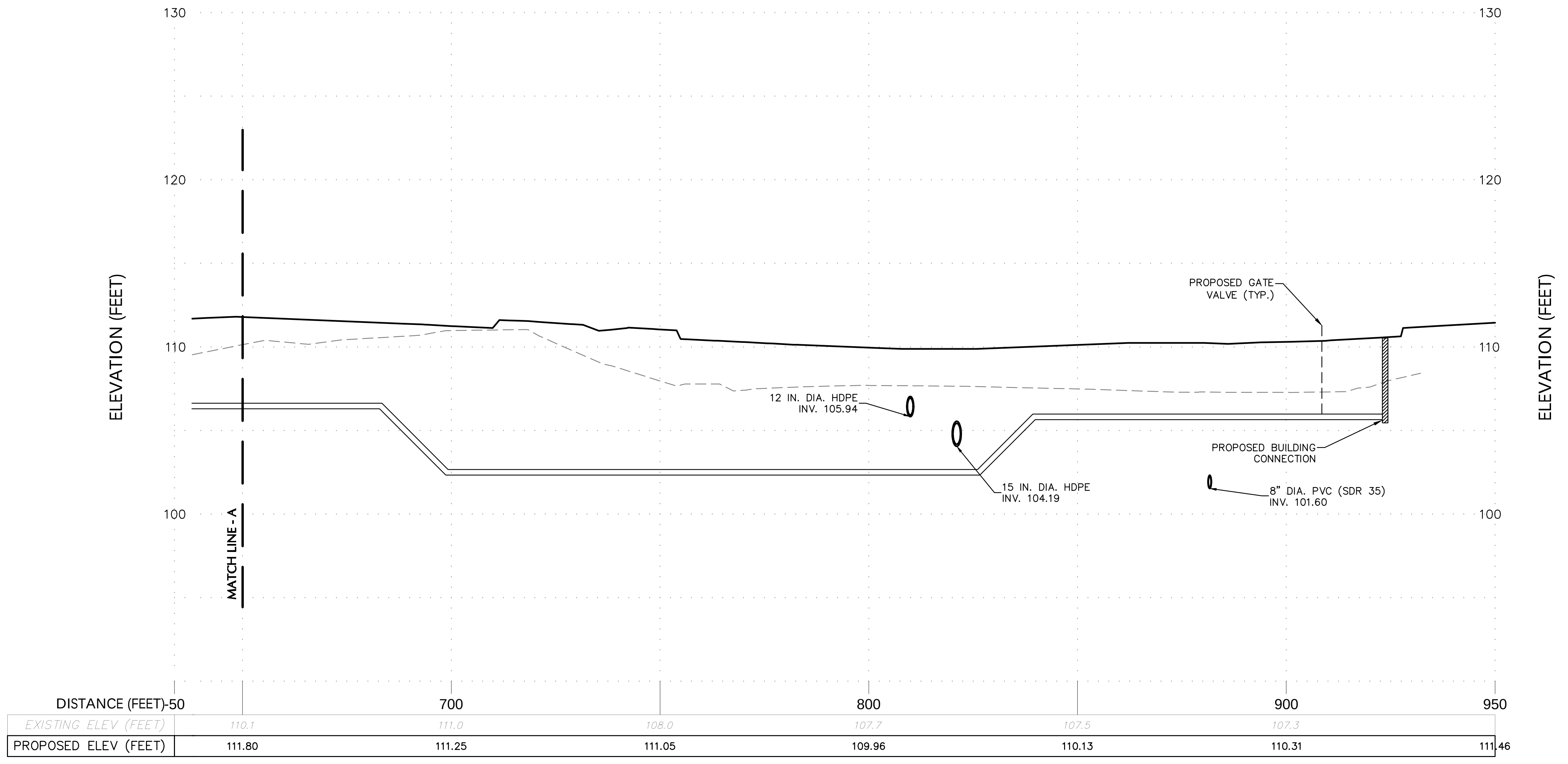
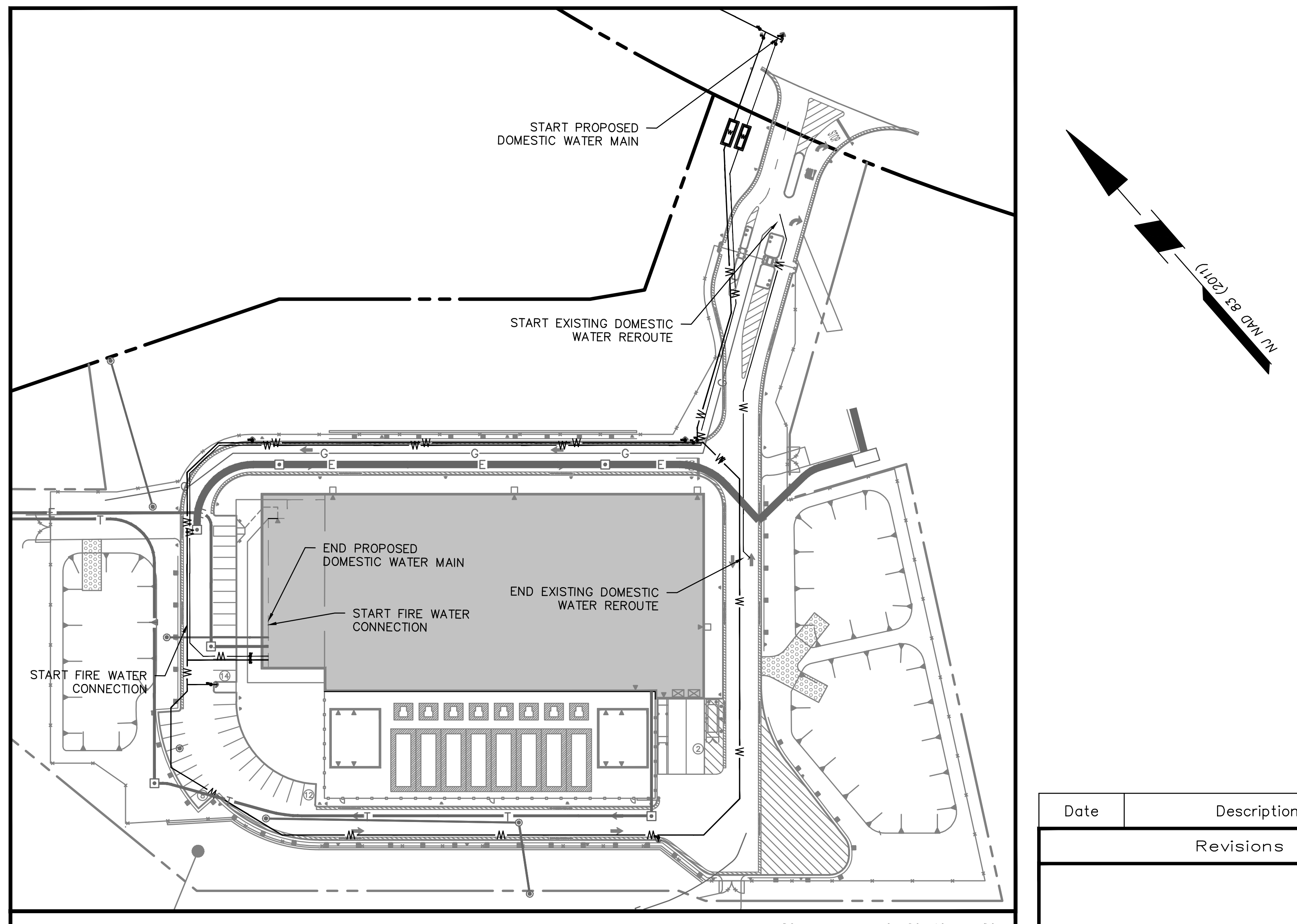
LANGAN


130
120
110
100
ELEVATION (FEET)
BELL LABORATORIES ROAD PUBLIC RIGHT–OF–WAY
SITE
PROPOSED DOMESTIC METE AND BACKFLOW PREVENTER IN HEATED ENCLOSURE
EXISTING GRADE
PROPOSED GRADE
PROPOSED 8"X4"X8" TEE CONNECTION TO PROPOSED WATER MAIN EXTENSION
PROPOSED 4" CLDIP DOMESTIC WATER MAIN
PROPOSED 8" CLDIP FIRE WATER MAIN
MATCH LINE - A
DISTANCE (FEET) -50 0 100 200 300 400 500 600
EXISTING ELEV (FEET) 113.5 117.4 116.1 111.3 110.2 108.8 108.4 108.0 106.9 106.7 106.8 111.1 110.1
PROPOSED ELEV (FEET) 113.94 111.86 111.33 110.94 111.41 110.87 111.70 111.20 111.66 111.33 111.28 111.80

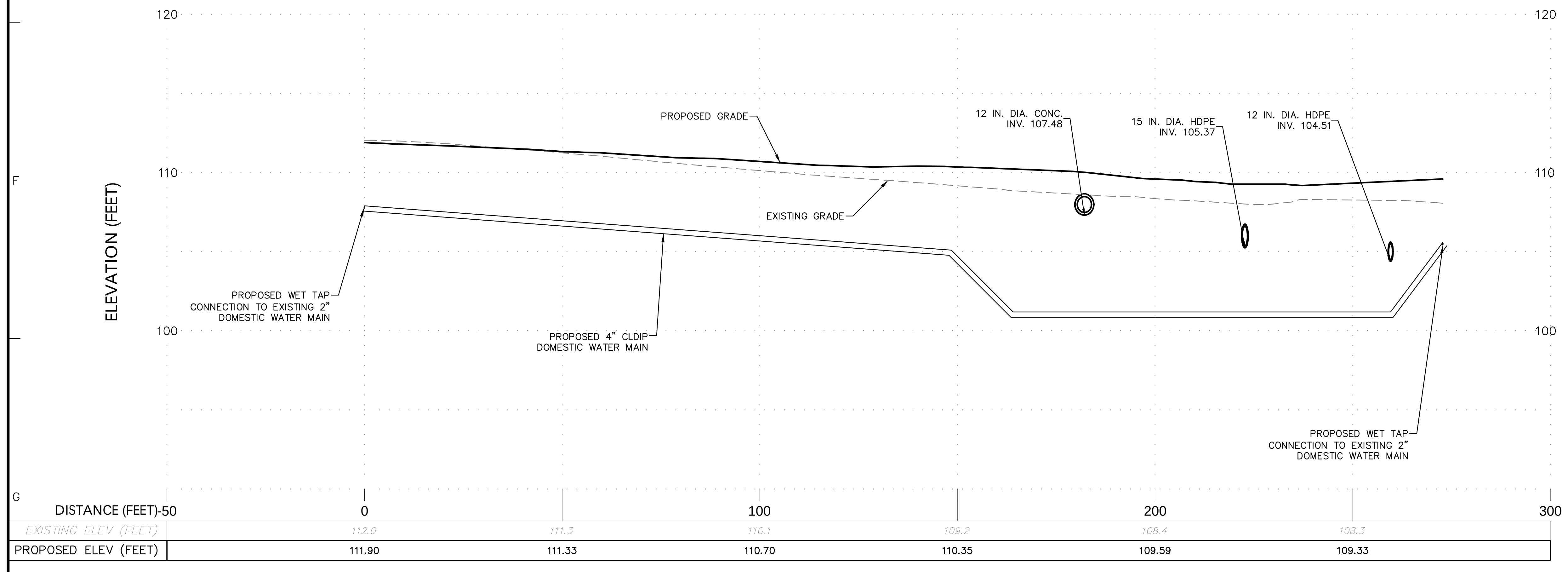

130
120
110
100
ELEVATION (FEET)
MATCH LINE - A
PROPOSED GATE VALVE (TYP.)
12 IN. DIA. HDPE INV. 105.94
15 IN. DIA. HDPE INV. 104.19
8" DIA. PVC (SDR 35) INV. 101.60
PROPOSED BUILDING CONNECTION
DISTANCE (FEET) -50 700 800 900 950
EXISTING ELEV (FEET) 110.1 111.0 108.0 107.7 107.5 107.3
PROPOSED ELEV (FEET) 111.80 111.25 111.05 109.96 110.13 110.31 111.46

WATER LINE PROFILE
(PROPOSED DOMESTIC WATER MAIN)

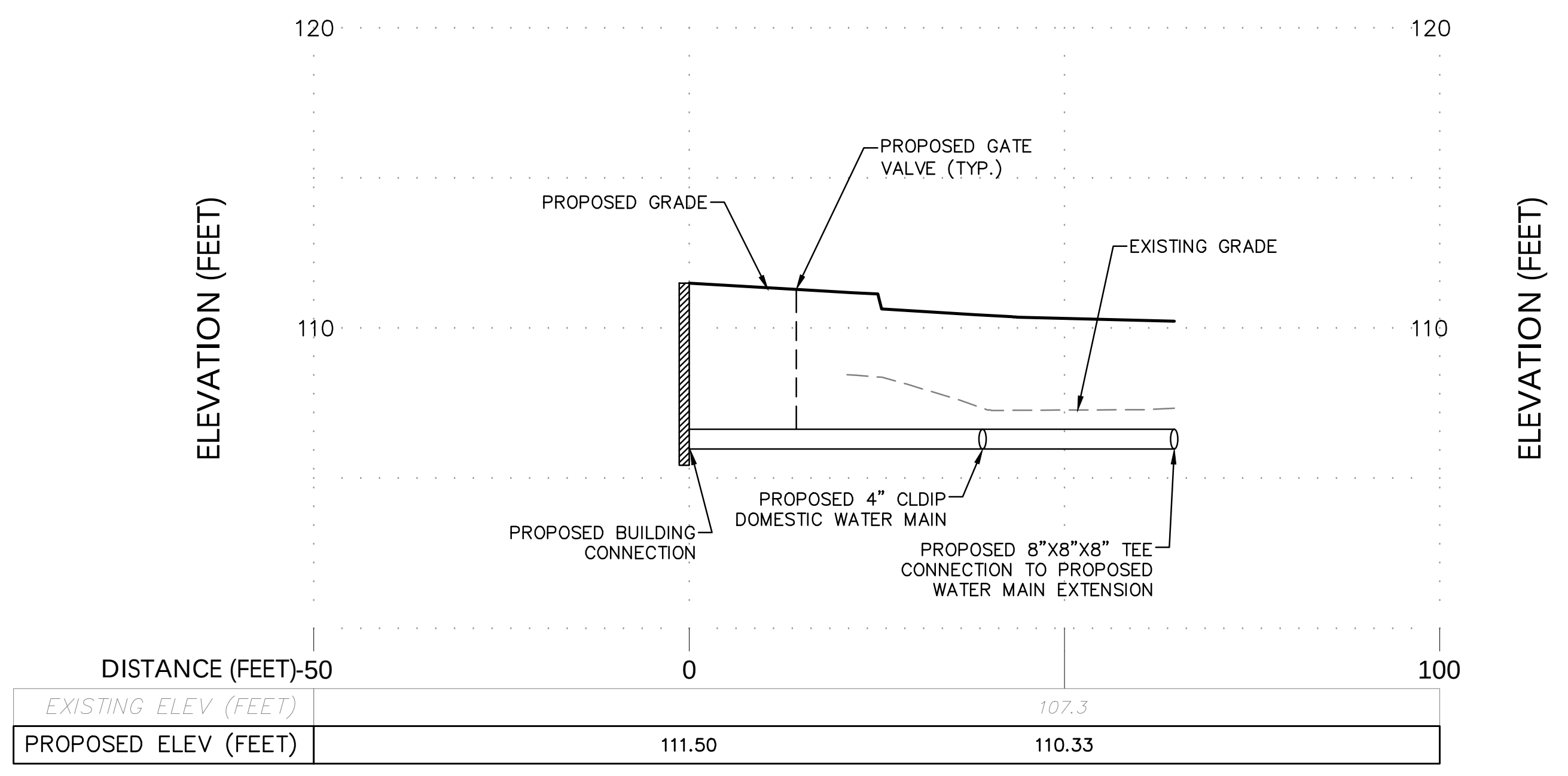

START PROPOSED DOMESTIC WATER MAIN
START EXISTING DOMESTIC WATER REROUTE
END PROPOSED DOMESTIC WATER MAIN
START FIRE WATER CONNECTION
END EXISTING DOMESTIC WATER REROUTE
START FIRE WATER CONNECTION
NJ NAD 83 (2011)

PLAN VIEW

80 0 20 40 80
SCALE IN FEET


120
110
100
ELEVATION (FEET)
PROPOSED GRADE
12 IN. DIA. CONC. INV. 107.48
15 IN. DIA. HDPE INV. 105.37
12 IN. DIA. HDPE INV. 104.51
EXISTING GRADE
PROPOSED WET TAP CONNECTION TO EXISTING 2" DOMESTIC WATER MAIN
PROPOSED 4" CLDIP DOMESTIC WATER MAIN
PROPOSED WET TAP CONNECTION TO EXISTING 2" DOMESTIC WATER MAIN
DISTANCE (FEET) -50 0 100 200 300
EXISTING ELEV (FEET) 112.0 111.3 110.1 109.2 108.4 108.3
PROPOSED ELEV (FEET) 111.90 111.33 110.70 110.35 109.59 109.33

WATER LINE PROFILE
(EXISTING DOMESTIC WATER REROUTE)


120
110
ELEVATION (FEET)
PROPOSED GRADE
PROPOSED GATE VALVE (TYP.)
EXISTING GRADE
PROPOSED BUILDING CONNECTION
PROPOSED 4" CLDIP DOMESTIC WATER MAIN
PROPOSED 8"X8"X8" TEE CONNECTION TO PROPOSED WATER MAIN EXTENSION
DISTANCE (FEET) -50 0 100
EXISTING ELEV (FEET) 107.3
PROPOSED ELEV (FEET) 111.50 110.33

WATER LINE PROFILE
(FIRE WATER CONNECTION)

LEGEND

– – – – –	EXISTING GRADE
———	PROPOSED GRADE

CONTRACTOR TO CONFIRM PROPOSED SANITARY SEWER HAS A MIN. 18" CLEARANCE TO WATER MAINS AND STORM SEWER PIPES AND MIN. 12" CLEARANCE TO ALL OTHER UTILITIES

PROFILES

VERTICAL SCALE: 1" = 5'

5 0 1.25 2.5 5
SCALE IN FEET

HORIZONTAL SCALE: 1" = 20'

20 0 5 10 20
SCALE IN FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

UTILITY PROFILES II

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

Drawing No.
CU202

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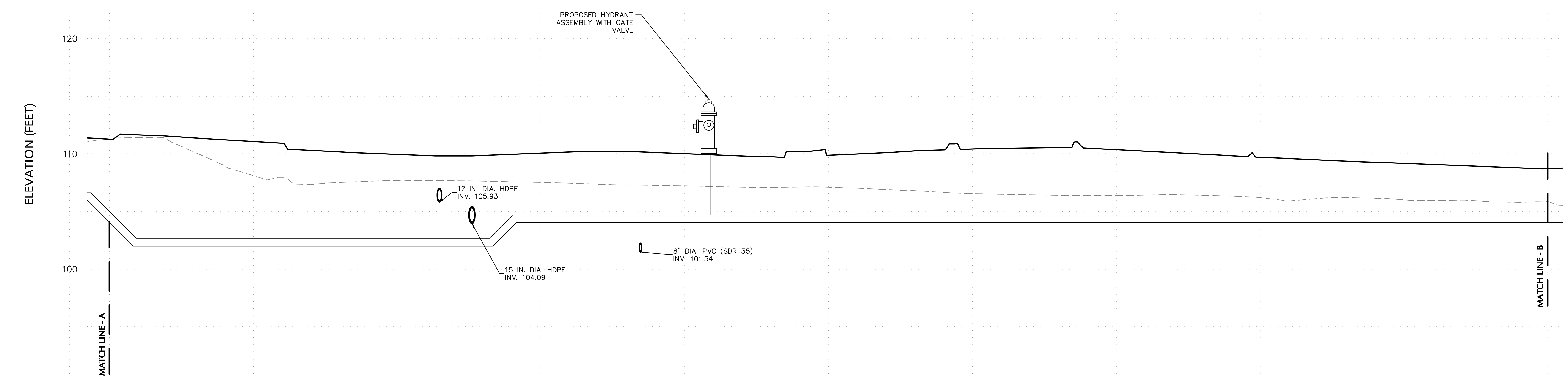
Project No. 102054601

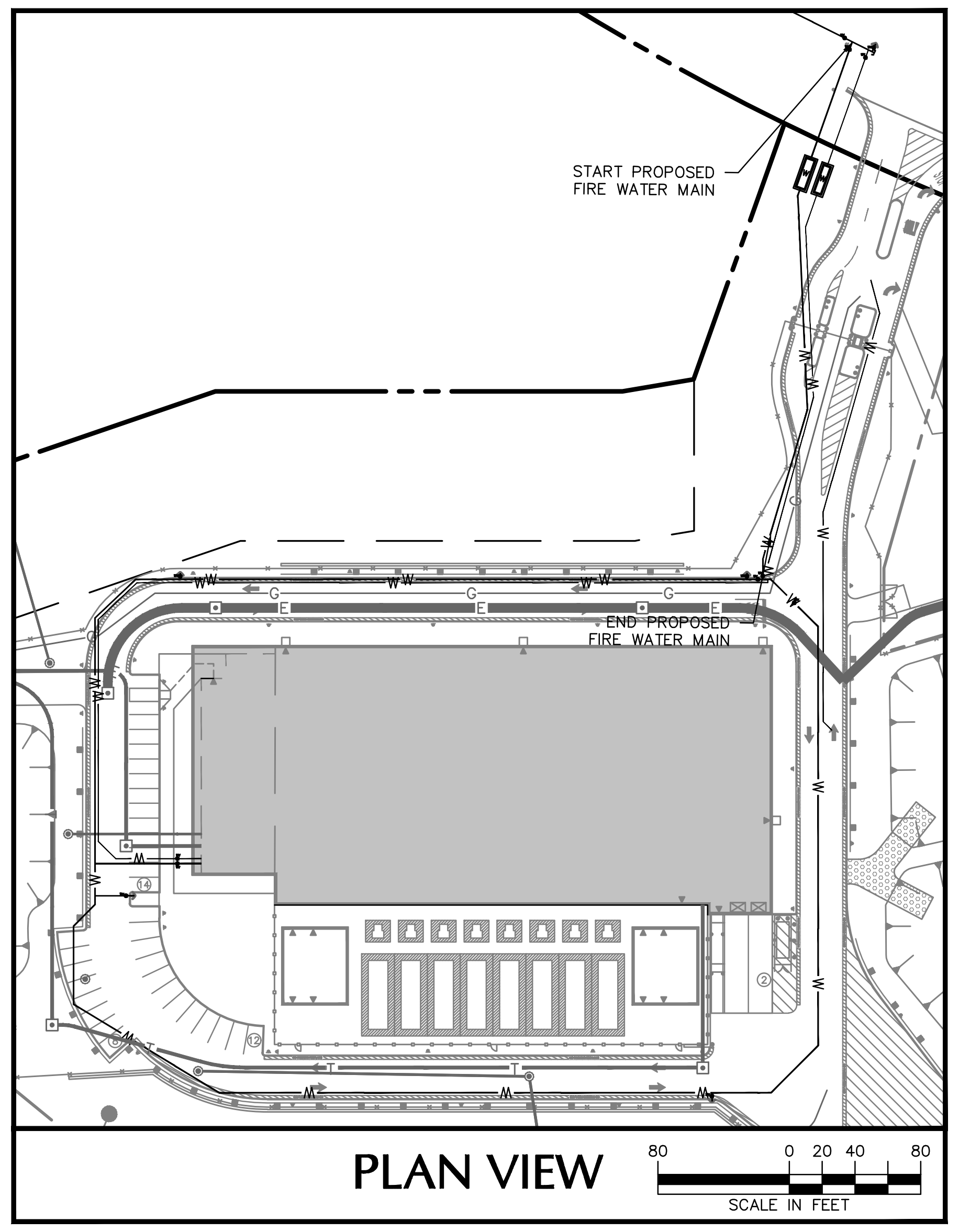
1
2
3
4
5
6
7
8
9
10
A
B
ELEVATION (FEET)
130
120
110
100
BELL LABORATORIES ROAD PUBLIC RIGHT-OF-WAY
SITE
PROPOSED DOMESTIC METE AND BACKFLOW PREVENTER IN HEATED ENCLOSURE
EXISTING GRADE
PROPOSED HYDRANT ASSEMBLY WITH GATE VALVE
PROPOSED GATE VALVE (TYP.)
PROPOSED GRADE
PROPOSED HYDRANT ASSEMBLY WITH GATE VALVE
PROPOSED 8"X8"X8" TEE CONNECTION TO PROPOSED WATER MAIN EXTENSION
PROPOSED 8" CLDIP FIRE WATER MAIN
PROPOSED 8"X8"X8" TEE CONNECTION
MATCH LINE - A

DISTANCE (FEET)	-50	0		100		200		300		400		500		600		700
EXISTING ELEV (FEET)			114.1	117.8	116.6	112.4	110.3	108.8	108.4	108.0	106.9	106.7	106.8	110.9	110.4	111.4
PROPOSED ELEV (FEET)					112.46	111.36	110.97	111.49	110.91	111.74	111.24	111.71	111.37	111.33	111.84	111.29

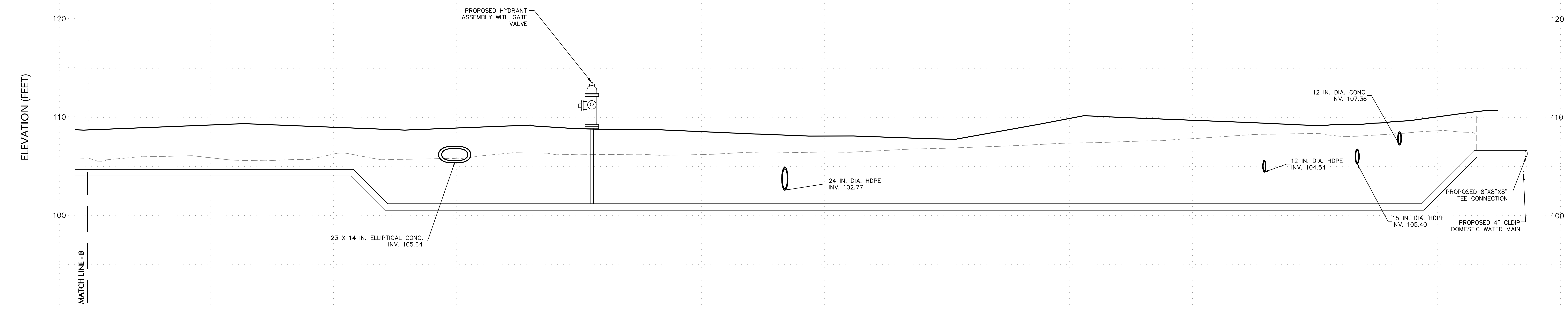
WATER LINE PROFILE
(PROPOSED FIRE WATER MAIN)


C
D
ELEVATION (FEET)
120
110
100
PROPOSED HYDRANT ASSEMBLY WITH GATE VALVE
12 IN. DIA. HDPE INV. 105.93
15 IN. DIA. HDPE INV. 104.09
8" DIA. PVC (SDR 35) INV. 101.54
MATCH LINE - A
MATCH LINE - B

DISTANCE (FEET)	-50	700		800		900		1000		1100		1200
EXISTING ELEV (FEET)		111.4	108.1	107.7	107.5	107.2	107.1	106.6	106.4	106.2	106.0	105.9
PROPOSED ELEV (FEET)		111.29	111.08	109.97	110.07	110.03	109.89	110.44	110.38	109.72	109.19	108.73


START PROPOSED FIRE WATER MAIN
END PROPOSED FIRE WATER MAIN
W
G
E
M
T
80
0
20
40
80
SCALE IN FEET

PLAN VIEW


E
F
G
ELEVATION (FEET)
120
110
100
PROPOSED HYDRANT ASSEMBLY WITH GATE VALVE
23 X 14 IN. ELLIPTICAL CONC. INV. 105.64
24 IN. DIA. HDPE INV. 102.77
12 IN. DIA. CONC. INV. 107.36
12 IN. DIA. HDPE INV. 104.54
15 IN. DIA. HDPE INV. 105.40
PROPOSED 8"X8"X8" TEE CONNECTION
PROPOSED 4" CLDIP DOMESTIC WATER MAIN
MATCH LINE - B
ELEVATION (FEET)
120
110
100

DISTANCE (FEET)	-50	1200		1300		1400		1500		1600		1700		1800
EXISTING ELEV (FEET)		105.9	105.9	106.3	105.8	106.3	106.2	106.5	106.9	107.4	107.8	108.4	108.6	
PROPOSED ELEV (FEET)		108.73	109.23	109.00	108.92	108.86	108.55	108.10	107.80	109.90	109.71	109.17	110.06	

LEGEND

— — — — —	EXISTING GRADE
———————	PROPOSED GRADE

CONTRACTOR TO CONFIRM PROPOSED SANITARY SEWER HAS A MIN. 18" CLEARANCE TO WATER MAINS AND STORM SEWER PIPES AND MIN. 12" CLEARANCE TO ALL OTHER UTILITIES

PROFILES

VERTICAL SCALE: 1" = 5'

5 0 1.25 2.5 5
SCALE IN FEET

HORIZONTAL SCALE: 1" = 20'

20 0 5 10 20
SCALE IN FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

UTILITY PROFILES III

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

Drawing No.
CU203

Project No. 102054601

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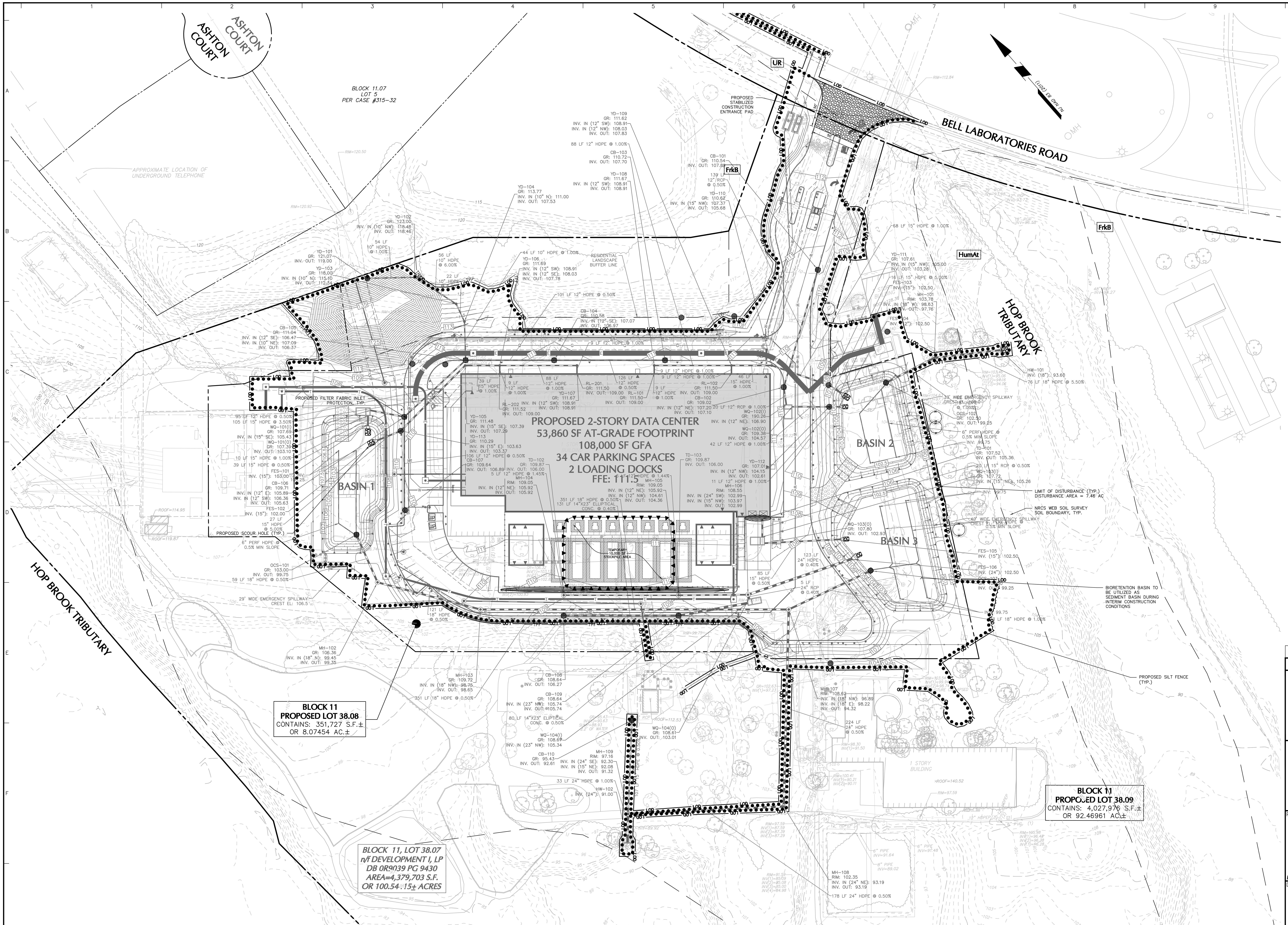
ASHTON COURT
ASHTON COURT
BLOCK 11.07
LOT 5
PER CASE #315-32
APPROXIMATE LOCATION OF UNDERGROUND TELEPHONE
BELL LABORATORIES ROAD
UR
FrkB
HumAt
PROPOSED STABILIZED CONSTRUCTION ENTRANCE PAD
YD-109
GR: 111.62
INV. IN (12" SW): 108.91
INV. IN (12" NW): 108.03
INV. OUT: 107.83
88 LF 12" HDPE @ 1.00%
CB-103
GR: 110.72
INV. OUT: 107.70
YD-108
GR: 111.67
INV. IN (12" SW): 108.91
INV. OUT: 108.91
CB-101
GR: 110.54
INV. OUT: 107.89
139 LF
12" RCP
@ 0.50%
YD-110
GR: 110.62
INV. IN (15" NW): 107.37
INV. OUT: 105.68
YD-104
GR: 113.77
INV. IN (10" N): 111.00
INV. OUT: 107.53
YD-102
GR: 123.00
INV. IN (10" NW): 118.46
INV. OUT: 118.46
54 LF
10" HDPE
@ 1.00%
YD-101
GR: 121.07
INV. OUT: 119.00
YD-103
GR: 118.00
INV. IN (10" N): 115.10
INV. OUT: 112.34
56 LF
10" HDPE
@ 6.00%
22 LF
10" HDPE
@ 6.00%
44 LF 10" HDPE @ 1.00%
YD-106
GR: 111.69
INV. IN (12" SW): 108.91
INV. IN (12" SE): 108.03
INV. OUT: 107.78
RESIDENTIAL LANDSCAPE BUFFER LINE
101 LF 12" HDPE @ 0.50%
CB-104
GR: 110.58
INV. IN (12" SE): 107.07
INV. OUT: 106.97
9 LF 12" HDPE @ 1.00%
CB-105
GR: 111.04
INV. IN (12" SE): 106.47
INV. IN (10" NE): 107.09
INV. OUT: 106.37
PROPOSED FILTER FABRIC INLET PROTECTION, TYP.
95 LF 12" HDPE @ 0.50%
105 LF 15" HDPE @ 3.50%
WQ-101(I)
GR: 107.69
INV. IN (15" SE): 105.43
WQ-101(O)
GR: 107.39
INV. OUT: 103.10
10 LF 15" HDPE @ 1.00%
39 LF 15" HDPE @ 0.50%
FES-101
INV. (15"): 103.00
INV: 100.25
CB-106
GR: 109.71
INV. IN (12" E): 105.89
INV. IN (12" SW): 106.36
INV. OUT: 105.63
FES-102
INV. (15"): 102.00
27 LF
15" HDPE
@ 5.00%
PROPOSED SCOUR HOLE (TYP.)
6" PERF HDPE @ 0.5% MIN SLOPE
OCS-101
GR: 103.00
INV. OUT: 99.75
59 LF 18" HDPE @ 0.50%
29' WIDE EMERGENCY SPILLWAY
CREST EL: 106.5
BASIN 1
121 LF
18" HDPE
@ 0.50%
HOP BROOK TRIBUTARY
39 LF
15" HDPE
@ 1.00%
9 LF
12" HDPE
@ 1.00%
88 LF
12" HDPE
@ 1.00%
YD-107
GR: 111.67
INV. IN (12" SW): 108.91
INV. OUT: 108.91
RL-202
GR: 111.52
INV. OUT: 109.00
RL-201
GR: 111.50
INV. OUT: 109.00
126 LF
12" HDPE
@ 0.50%
RL-101
GR: 111.50
INV. OUT: 109.00
9 LF
12" HDPE
@ 1.00%
9 LF 12" HDPE @ 1.00%
9 LF 12" HDPE @ 1.00%
RL-102
GR: 111.50
INV. OUT: 109.00
46 LF
15" HDPE
@ 1.00%
CB-102
GR: 109.02
INV. IN (12" NE): 107.20
INV. OUT: 107.10
20 LF 12" RCP @ 1.00%
WQ-102(I)
GR: 190.26
INV. IN (12" NE): 106.90
WQ-102(O)
GR: 109.38
INV. OUT: 104.57
42 LF 12" HDPE @ 1.00%
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
FFE: 111.5
YD-105
GR: 111.48
INV. IN (15" SE): 107.39
INV. OUT: 107.29
YD-113
GR: 110.29
INV. IN (15" E): 103.63
INV. OUT: 103.37
106 LF 12" HDPE @ 0.50%
CB-107
GR: 109.64
INV. OUT: 106.89
TD-102
GR: 109.87
INV. OUT: 106.00
5 LF 12" HDPE @ 1.45%
MH-104
RIM: 109.05
INV. IN (12" NE): 105.92
INV. OUT: 105.92
TD-103
GR: 109.87
INV. OUT: 106.00
6 LF 12" HDPE @ 1.44%
MH-105
RIM: 109.05
INV. IN (12" NE): 105.92
INV. IN (12" NW): 104.61
INV. OUT: 104.36
351 LF 18" HDPE @ 0.50%
131 LF 14"X23" ELLIPTICAL
CONC. @ 0.40%
YD-112
GR: 107.01
INV. IN (12" NW): 104.15
INV. OUT: 102.61
11 LF 12" HDPE @ 1.00%
MH-106
RIM: 108.55
INV. IN (24" SW): 102.99
INV. IN (15" NW): 103.97
INV. OUT: 102.99
TEMPORARY 10,000 SF STOCKPILE AREA
68 LF 15" HDPE @ 1.00%
YD-111
GR: 107.61
INV. IN (15" NW): 105.00
INV. OUT: 103.28
16 LF 15" HDPE @ 5.00%
FES-103
INV. (15"): 102.50
MH-101
RIM: 103.78
INV. IN (18" W): 98.63
INV. OUT: 97.76
FES-104
INV. (12"): 102.50
HOP BROOK TRIBUTARY
HW-101
INV. (18"): 93.60
76 LF 18" HDPE @ 5.50%
33' WIDE EMERGENCY SPILLWAY
CREST EL: 105.0
102 LF
18" HDPE
@ 1.00%
OCS-102
GR: 102.50
INV. OUT: 99.25
6" PERF HDPE @ 0.5% MIN SLOPE
INV: 99.75
BASIN 2
TD-101
GR: 107.52
INV. OUT: 105.36
20 LF 15" RCP @ 0.50%
WQ-103(I)
GR: 107.72
INV. IN (15" NE): 105.26
INV: 99.75
LIMIT OF DISTURBANCE (TYP.)
DISTURBANCE AREA = 7.46 AC
NRCS WEB SOIL SURVEY SOIL BOUNDARY, TYP.
40' WIDE EMERGENCY SPILLWAY
CREST EL: 105.0
6" PERF HDPE @ 0.5% MIN SLOPE
WQ-103(O)
GR: 107.80
INV. OUT: 102.93
BASIN 3
FES-105
INV. (15"): 102.50
FES-106
INV. (24"): 102.50
OCS-103
GR: 102.50
INV. OUT: 99.25
BIORETENTION BASIN TO BE UTILIZED AS SEDIMENT BASIN DURING INTERIM CONSTRUCTION CONDITIONS
INV: 99.75
13 LF 18" HDPE @ 1.00%
123 LF
24" HDPE
@ 0.40%
85 LF
15" HDPE
@ 0.50%
5 LF
24" RCP
@ 0.40%
MH-102
GR: 106.36
INV. IN (18" N): 99.45
INV. OUT: 99.35
MH-103
GR: 109.72
INV. IN (18" NW): 98.75
INV. OUT: 98.65
351 LF 18" HDPE @ 0.50%
CB-108
GR: 108.64
INV. OUT: 106.27
CB-109
GR: 108.64
INV. IN (23" NW): 105.74
INV. OUT: 105.74
80 LF 14"X23" ELIPTICAL
CONC. @ 0.50%
WQ-104(I)
GR: 108.67
INV. IN (23" NW): 105.34
CB-110
GR: 95.43
INV. OUT: 92.61
MH-109
RIM: 97.16
INV. IN (24" SE): 92.30
INV. IN (15" NE): 92.08
INV. OUT: 91.32
33 LF 24" HDPE @ 1.00%
HW-102
INV. (24"): 91.00
107 LF 15" HDPE @ 0.50%
WQ-104(O)
GR: 108.61
INV. OUT: 103.01
MH-107
RIM: 108.62
INV. IN (18" NW): 96.89
INV. IN (18" E): 98.22
INV. OUT: 94.32
224 LF
24" HDPE
@ 0.50%
MH-108
RIM: 102.35
INV. IN (24" NE): 93.19
INV. OUT: 93.19
178 LF 24" HDPE @ 0.50%
1 STORY BUILDING
PROPOSED SILT FENCE (TYP.)
BLOCK 11
PROPOSED LOT 38.08
CONTAINS: 351,727 S.F.±
OR 8.07454 AC.±
BLOCK 11
PROPOSED LOT 38.09
CONTAINS: 4,027,976 S.F.±
OR 92.46961 AC.±
BLOCK 11, LOT 38.07
n/f DEVELOPMENT I, LP
DB 0R9039 PG 9430
AREA=4,379,703 S.F.
OR 100.54.15± ACRES
LOD
TPF

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

SOIL LEGEND

FrkB	FREEHOLD SANDY LOAM
HumAt	HUMAQUEPTS
UR	URBAN LAND

LEGEND

○— — —○	PROPERTY LINE
—600—	EXISTING MAJOR CONTOUR
— —599— —	EXISTING MINOR CONTOUR
—600—	PROPOSED MAJOR CONTOUR
—601—	PROPOSED MINOR CONTOUR
○	PROPOSED TREE PROTECTION FENCE
● ● ● ● ● ● ● ●	PROPOSED SILT FENCE
●	PROPOSED INLET PROTECTION
—×—	PROPOSED 8'–HIGH CHAIN–LINK CONSTRUCTION FENCE WITH WINDSCREEN
▼▼▼▼▼	PROPOSED STOCKPILE
▨	PROPOSED CONSTRUCTION ENTRANCE
▨	PROPOSED GRAVEL COVER AFTER DEMOLITION
— — — —	CONTRACT LIMIT LINE

Project No. 102054601

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY **NEW JERSEY**

Drawing Title

SOIL EROSION & SEDIMENT CONTROL PLAN

Project No. **102054601**	Drawing No.
Date **7/24/2026**	CE101
Drawn By **GC**	
Checked By **BMW**	

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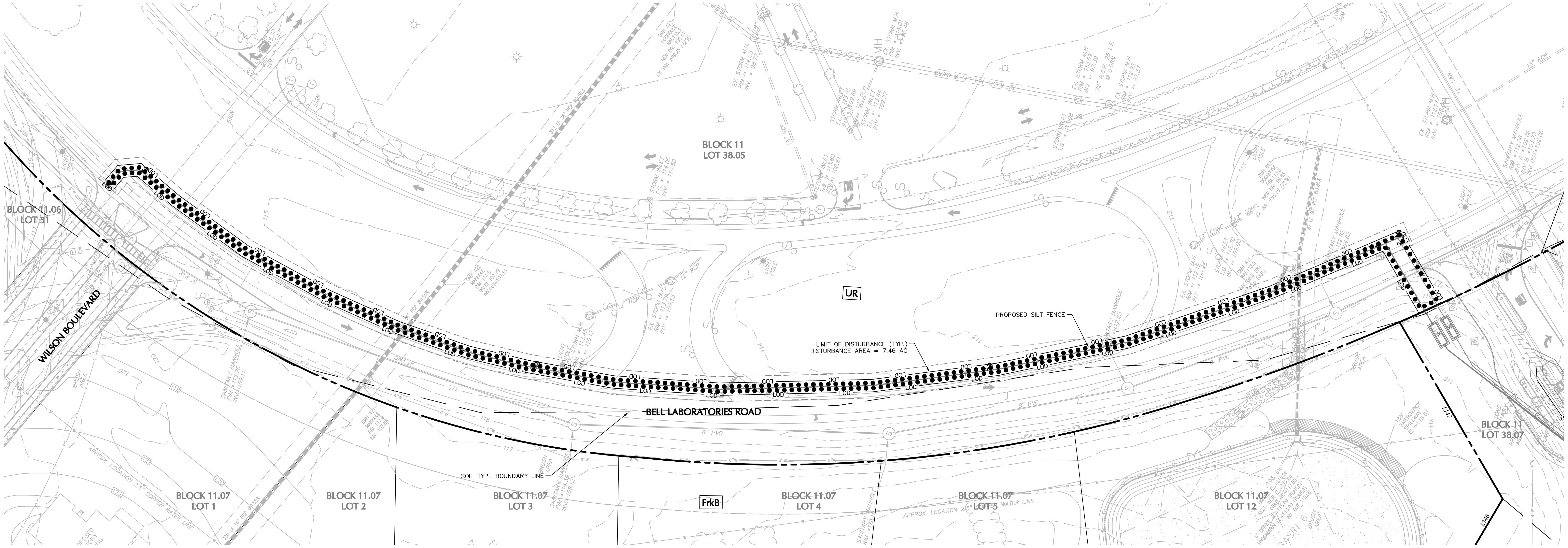
Date: 7/23/2026 Time: 23:37 User: bwild Style Table: Langan.stb Layout: CE101 Document Code: 102054601-0501-CE101-0102

SOIL LEGEND

FrkB	FREEHOLD SANDY LOAM
HumAt	HUMAQUEPTS
UR	URBAN LAND

LEGEND

o— — — —o	PROPERTY LINE
— 600 —	EXISTING MAJOR CONTOUR
– – 599 – –	EXISTING MINOR CONTOUR
— 600 —	PROPOSED MAJOR CONTOUR
— 601 —	PROPOSED MINOR CONTOUR
· ●●●●●●●●	PROPOSED SILT FENCE
●	PROPOSED INLET PROTECTION
—▼—▼—▼—▼—▼—	PROPOSED STOCKPILE
▨	PROPOSED CONSTRUCTION ENTRANCE
—— LOD ——	LIMIT OF DISTURBANCE


BLOCK 11
LOT 38.05
BLOCK 11.06
LOT 31
WILSON BOULEVARD
UR
LIMIT OF DISTURBANCE (TYP.)
DISTURBANCE AREA = 7.46 AC
PROPOSED SILT FENCE
LOD
BELL LABORATORIES ROAD
SOIL TYPE BOUNDARY LINE
FrkB
BLOCK 11.07
LOT 1
BLOCK 11.07
LOT 2
BLOCK 11.07
LOT 3
BLOCK 11.07
LOT 4
BLOCK 11.07
LOT 5
BLOCK 11.07
LOT 12
BLOCK 11
LOT 38.07
APPROX. LOCATION 2.5" COPPER WATER LINE
330 LF 36" RCP @0.55%
312 LF 36" RCP @0.50%
SANITARY MANHOLE
EX. STORM M.H.
STORM INLET
LIGHT POLE
BRUSH AREA
8" PVC
6"W
135' EMERGENCY SPILLWAY EL.=118.5
BASIN 6
L147
L146

THRUST BLOCK NOTE:

CONTRACTOR TO PROVIDE CONCRETE THRUST BLOCKS AT ALL VERTICAL AND HORIZONTAL BENDS.

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION OBTAINED FROM A PLAN TITLED "RESERVE AT HOLMDEL WATERLINE PHASING PLAN", PREPARED BY KENNEDY CONSULTING ENGINEERS, LLC., DATED 11 NOVEMBER 2014.
2. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

40 0 10 20 40
SCALE: 1 INCH = 40 FEET

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

OFF-SITE SOIL EROSION & SEDIMENT CONTROL PLAN

Project No.
102054601
Date
7/24/2026
Drawn By
ICB
Checked By
BMW

Drawing No.
CE102

Project No. 102054601

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SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES

1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
4. N.J.S.A. 4:24-39 ET. SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT-BY-LOT OR SECTION-BY-SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES HAVE BEEN IMPLEMENTED, INCLUDING STABILIZATION AND SITE WORK.
5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING. IF THE SEASON PREVENTS ESTABLISHMENT, AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT AT 2 TO 2-1/2 TONS PER ACRE PER STANDARD.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (INCLUDING SOIL STOCKPILES, STEEP SLOPES, AND EMBANKMENTS) SHALL RECEIVE TEMPORARY SEEDING WITH STRAW MULCH OR EQUIVALENT AND A MULCH ANCHOR IN ACCORDANCE WITH STATE STANDARDS.
7. A SUB-BASE COURSE SHALL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND IMPROVEMENT INSTALLATION TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. WHERE NO UTILITIES ARE PRESENT, SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF PRELIMINARY GRADING.
8. STABILIZED CONSTRUCTION ACCESS SHALL CONSIST OF CLEAN CRUSHED STONE AT ALL SITE ACCESS POINTS. AFTER ROADWAY PAVING, LOT ACCESS SHALL CONSIST OF 1"-2" STONE FOR A MINIMUM LENGTH OF TEN (10) FEET, MATCHING ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED.
9. ALL SOIL TRACKED OR SPILLED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC ROADWAYS SHALL BE REMOVED IMMEDIATELY.
10. PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS OF FINAL GRADING.
11. SOILS UNSUITABLE FOR VEGETATIVE STABILIZATION SHALL BE REMOVED OR TREATED TO PROVIDE ADEQUATE GROWTH CONDITIONS. IF UNSUITABLE CONDITIONS REMAIN, NON-VEGETATIVE STABILIZATION METHODS SHALL BE USED.
12. HIGH ACID PRODUCING SOILS (PH ≤ 4 OR CONTAINING IRON SULFIDES) SHALL BE TREATED WITH LIMESTONE AT 10 TONS/ACRE (450 LBS/1,000 SF) AND COVERED WITH A MINIMUM OF 12 INCHES OF SOIL WITH PH ≥5, OR 24 INCHES WHERE PLANTINGS ARE PROPOSED.
13. CONDUIT OUTLET PROTECTION SHALL BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO SYSTEM OPERATION.
14. UNFILTERED DEWATERING IS NOT PERMITTED. ALL DEWATERING OPERATIONS SHALL MINIMIZE SEDIMENT TRANSFER AND COMPLY WITH STATE STANDARDS.
15. DUST CONTROL SHALL BE PROVIDED AS NECESSARY THROUGH WATERING, TEMPORARY VEGETATION, OR MULCH IN ACCORDANCE WITH STANDARDS.
16. STOCKPILE AND STAGING AREAS SHALL BE LOCATED WITHIN THE LIMIT OF DISTURBANCE. AREAS OUTSIDE REQUIRE PLAN REVISION AND DISTRICT CERTIFICATION. DISTURBANCE OVER 5,000 SF MAY REQUIRE A NEW PLAN.
17. ALL SOIL STOCKPILES SHALL BE TEMPORARILY STABILIZED IN ACCORDANCE WITH NOTE 6.
18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION OCCURRING BELOW OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION.

DEMOLITION NOTES

1. CONTRACTOR TO COORDINATE STAGING AREAS, TRAILER LOCATION AND TEMPORARY STOCKPILE LOCATIONS WITH OWNER.
2. VEHICLE WASH DOWN PADS TO BE PROVIDED THROUGHOUT THE DURATION OF THE PROJECT.
3. INLET PROTECTION REQUIREMENTS SHALL NOT BE LIMITED TO STRUCTURES LOCATED WITHIN THE PHASE LIMITS OF WORK. ANY AND ALL INLETS WHICH COULD BE AFFECTED BY RUNOFF SHALL BE PROTECTED.
4. ALL ALTERNATIVES MUST BE APPROVED BY FREEHOLD SOIL CONSERVATION DISTRICT AND SHALL CONFORM TO THE REQUIREMENTS OF THE NJ STANDARDS FOR S.E.S.C., LATEST REVISION. COPIES OF DETAIL AND APPROVAL TO BE PROVIDED TO THE OWNER AND OWNER'S REPRESENTATIVE..

NRCS SOIL DESCRIPTION

THE SITE CONSISTS OF THE FOLLOWING SOIL GROUP:

FrkB:

FREEHOLD SANDY LOAM, 2 TO 5 PERCENT SLOPES

HumAt:

HUMAQUEPTS, 0 TO 3 PERCENT SLOPES, FREQUENTLY FLOODED

UR:

URBAN LAND

PERMANENT STABILIZATION NOTES

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

PERMANENT SEEDING SHALL BE IN ACCORDANCE WITH "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY"

SITE PREPARATION

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.

B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.

C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.

D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

SEEDBED PREPARATION

A. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER, WHERE REQUIRED, TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY/). LIME SHALL BE APPLIED AT A RATE 3,900 POUNDS PER ACRE OR 90 POUNDS PER 1,000 SQUARE FEET OF GROUND LIMESTONE OR EQUIVALENT. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING.

B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED.

C. HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

SEEDING:

A. CONTRACTOR SHALL USE SEED MIXTURE NO. 6 AND THE CORRESPONDING RATES IN TABLE 4-3 OF THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

1. SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE INSPECTION. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED SEED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE.
2. WARM-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES GENERALLY 85°F AND ABOVE. PLANTING RATES FOR WARM-SEASON GRASSES SHALL BE THE AMOUNT OF PURE LIVE SEED (PLS) AS DETERMINED BY GERMINATION TESTING RESULTS.

B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.

C. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.

D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT-FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.

E. SEED MIXTURE – SEED MIX NO. 6
FINE FESCUE (BLEND) – 3 lbs/1,000 sf
HARD FESCUE
CHEWINGS FESCUE
STRONG CREEPING RED FESCUE
KENTUCKY BLUE GRASS – 0.1 lbs/1,000 sf
PERENNIAL RYEGRASS – 0.5 lbs/1,000 sf

OPTIMAL PLANTING PERIOD BETWEEN AUGUST 15TH – OCTOBER 15TH

MULCHING

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANT WITH THIS MULCHING REQUIREMENT.

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION – SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT AT LEAST 85% OF THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS.

1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
2. MULCH NETTINGS – STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
3. CRIMPER (MULCH ANCHORING COULTER TOOL) – A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
4. LIQUID MULCH-BINDERS – MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH.
   A. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE.
   B. USE ONE OF THE FOLLOWING:
      (1) ORGANIC AND VEGETABLE BASED BINDERS – NATURALLY OCCURRING, POWDER-BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TURF GRASS. USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE, SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE IN THIS STATE.
      (2) SYNTHETIC BINDERS – HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND, FOLLOWING APPLICATION OF MULCH, DRYING AND CURING, SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. BINDER SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS.

TEMPORARY STABILIZATION NOTES

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND HAY MULCHED (OR HYDROSEEDED) UNTIL PROPER WEATHER EXISTS FOR THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER. THE FOLLOWING SEEDING SCHEDULE SHALL BE USED FOR TEMPORARILY SEEDING:

A. LIME – 90 lbs/1,000 sf GROUND LIMESTONE.

B. FERTILIZER – 11 lbs/1,000 sf; 10-20-10 OR EQUIVALENT, WITH 50% WATER INSOLUBLE NITROGEN, WORKED INTO SOIL TO A DEPTH OF 4 INCHES.

C. SEED – PERENNIAL RYEGRASS – 1 lbs/1,000 sf;
PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.

D. MULCH – UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS AT A RATE OF 70 TO 90 lbs/1,000 sf; TO BE APPLIED ACCORDING TO NEW JERSEY STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (i.e. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDING).

STABILIZATION WITH MULCH ONLY

NON-GROWING STABILIZATION MEASURES SHALL BE USED WHERE THE SEASON AND OTHER CONDITIONS MAY NOT BE SUITABLE FOR GROWING AN EROSION RESISTANT COVER OR WHERE STABILIZATION IS NEEDED FOR A SHORT PERIOD UNTIL MORE SUITABLE PROTECTION CAN BE APPLIED.

UNROTTED SMALL GRAIN STRAW AT A RATE OF 90 TO 115 lbs/1,000 sf TO BE APPLIED ACCORDING TO THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. MULCH SHALL BE SECURED BY APPROVED METHODS (i.e. PEG AND TWINE, LIQUID MULCH BINDER, OR MULCH NETTING).

DUST CONTROL NOTES

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) – SPRAY ON POLYACRYLAMIDE (PAM) – DRY SPREAD	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD, P. 26-1		
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

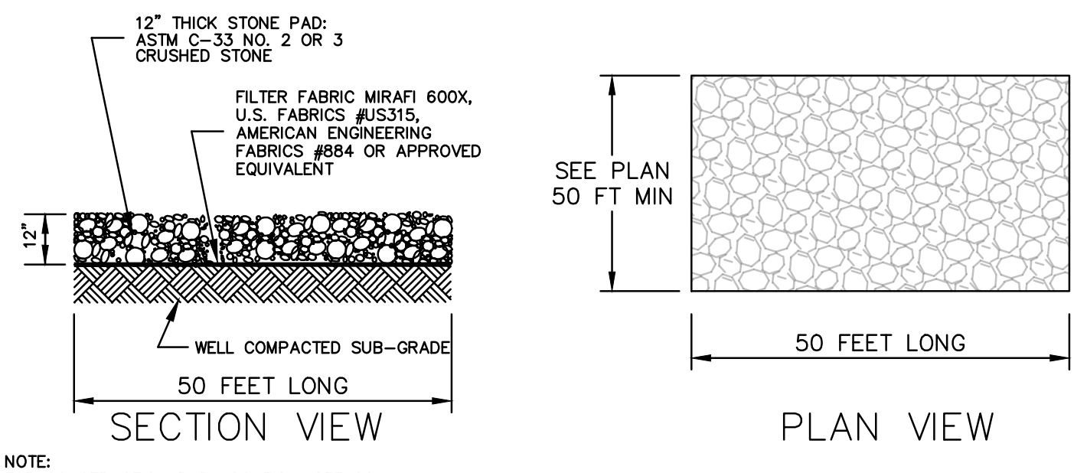
TILLAGE – TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

SPRINKLING – SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARRIERS – SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

CALCIUM CHLORIDE – SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

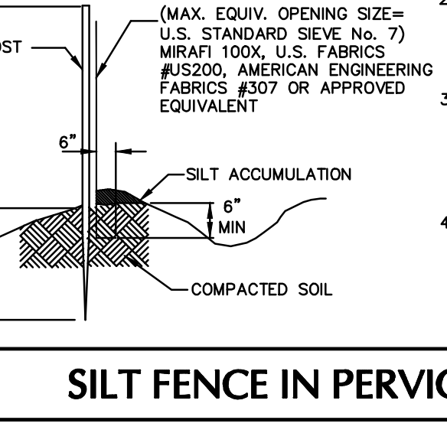
STONE – COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL


12" THICK STONE PAD: ASTM C-33 NO. 2 OR 3 CRUSHED STONE
FILTER FABRIC MIRAFI 600X, U.S. FABRICS #US315, AMERICAN ENGINEERING FABRICS #884 OR APPROVED EQUIVALENT
12"
WELL COMPACTED SUB-GRADE
50 FEET LONG
SECTION VIEW
SEE PLAN 50 FT MIN
50 FEET LONG
PLAN VIEW

NOTE:
FOR CONSTRUCTION PAD LOCATION, SEE SOIL EROSION AND SEDIMENT CONTROL PLAN.

SCALE: NOT TO SCALE

STABILIZED CONSTRUCTION ENTRANCE PAD

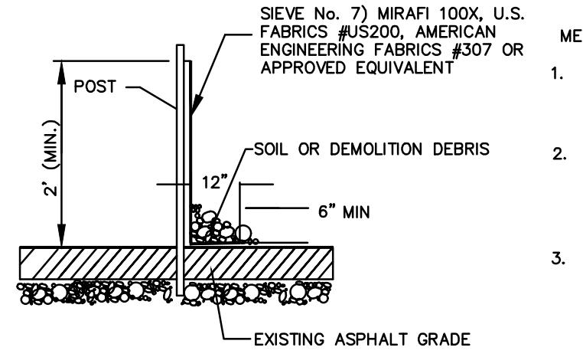

DRAW STRING RUNNING THROUGH FABRIC ALONG TOP OF FENCE
FILTER FABRIC FILTER FABRIC (MAX. EQUIV. OPENING SIZE= U.S. STANDARD SIEVE No. 7) MIRAFI 100X, U.S. FABRICS #US200, AMERICAN ENGINEERING FABRICS #307 OR APPROVED EQUIVALENT
POST
24" MIN.
6"
SILT ACCUMULATION
6" MIN
24" MIN.
COMPACTED SOIL

METHOD OF INSTALLATION

1. CONTRACTOR TO DIG 6" MIN. TRENCH AND LINE TRENCH WITH FILTER FABRIC PRIOR TO BACK FILL.
2. EXCEPT FOR THE END POST,DRIVE ALL POSTS INTO THE GROUND AT BACK SIDE OF TRENCH SPACED A MAXIMUM OF 8 FT O.C.
3. ATTACH FILTER FABRIC TO POST AND STRETCH BETWEEN POSTS. SECURE FABRIC TO POST WITH METAL FASTENER AND REINFORCEMENT MATERIAL PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC.
4. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1-1/2 INCHES.

SCALE: NOT TO SCALE

SILT FENCE IN PERVIOUS AREAS

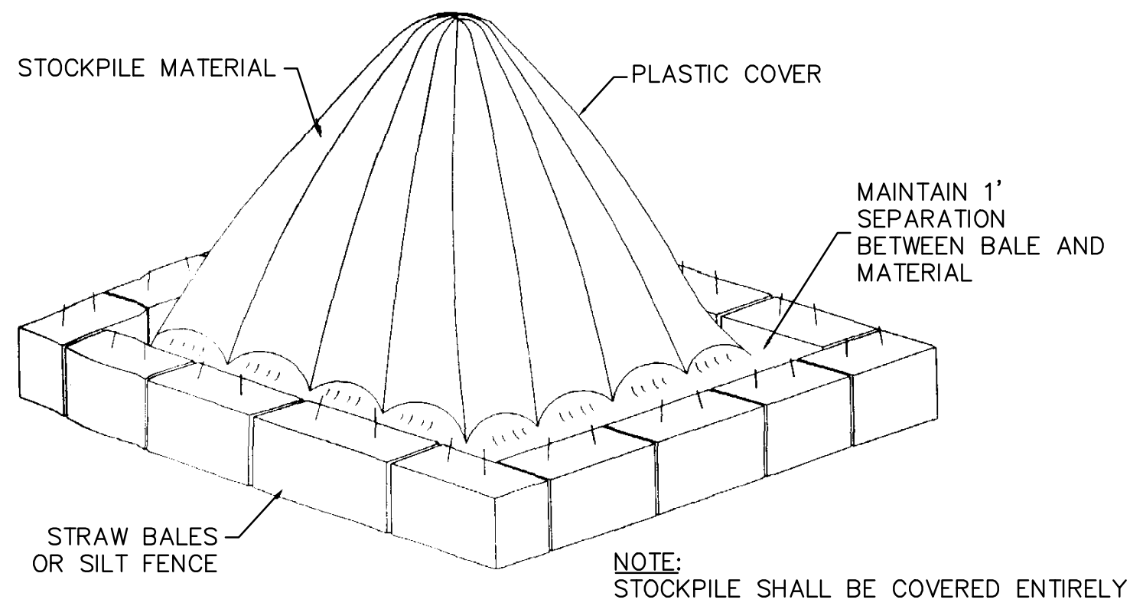

FILTER FABRIC (MAX. EQUIV. OPENING SIZE= U.S. STANDARD SIEVE No. 7) MIRAFI 100X, U.S. FABRICS #US200, AMERICAN ENGINEERING FABRICS #307 OR APPROVED EQUIVALENT
POST
2' (MIN.)
SOIL OR DEMOLITION DEBRIS
12"
6" MIN
EXISTING ASPHALT GRADE

METHOD OF INSTALLATION

1. PLACE AND MAINTAIN SOIL OR DEMOLITION DEBRIS ON TOP OF FILTER FABRIC AS SHOWN.
2. EXCEPT FOR THE END POST, DRIVE ALL POSTS INTO THE GROUND AT BACK SIDE OF TRENCH SPACED A MAXIMUM OF 8 FT O.C.
3. ATTACH FILTER FABRIC TO POST AND STRETCH BETWEEN POSTS

SCALE: NOT TO SCALE

SILT FENCE IN PAVEMENT AREAS


STOCKPILE MATERIAL
PLASTIC COVER
MAINTAIN 1' SEPARATION BETWEEN BALE AND MATERIAL
STRAW BALES OR SILT FENCE

NOTE:
STOCKPILE SHALL BE COVERED ENTIRELY BY AN ANCHORED PLASTIC COVER

NOTES:

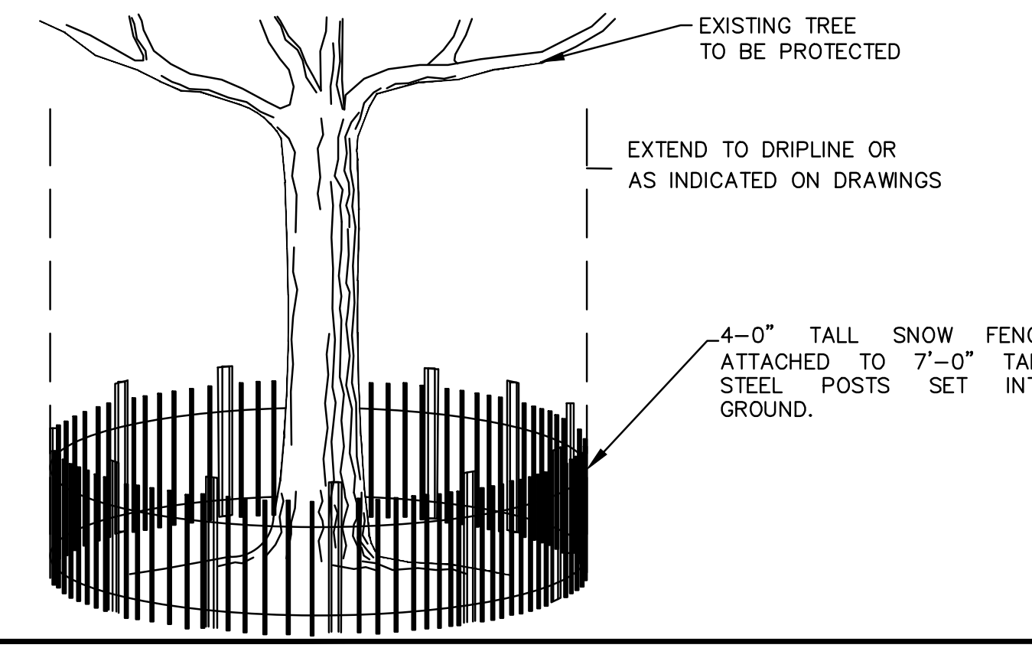
1. DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR HAY IF THE FALL SEEDING PERIOD CANNOT BE SUCCESSFULLY MET.

2. MULCH TO BE APPLIED AT A RATE OF 1.5 TO 2 TONS PER ACRE. TACK MATERIAL TO BE CUTBACK ASPHALT-RAPID CURING (RC-70, PC-250 AND RC-800) OR MEDIUM CURING (MC-250 OR MC-800). APPLY 0.4 GAL/S.Y. OR 194 GAL/ACRE ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET OR MORE HIGH USE .075 GAL/S.Y. OR 363 GAL/ACRE.

TEMPORARY SOIL / CONSTRUCTION DEBRIS STOCKPILE

SEQUENCE OF CONSTRUCTION

1. NOTIFY THE FREEHOLD SOIL CONSERVATION DISTRICT AT LEAST 72 HOURS PRIOR TO ANY SITE DISTURBANCES.
2. INSTALL A STABILIZED CONSTRUCTION ENTRANCE PAD CONSISTING OF 2½" WASHED STONE 12" DEEP AT THE CONSTRUCTION ENTRANCE IMMEDIATELY AFTER INITIAL DISTURBANCES AS PER STANDARDS ON DRAWINGS. SITE TRAFFIC SHOULD USE ONLY THESE AREAS FOR INGRESS AND EGRESS.
3. EQUIP ALL CATCH BASINS WITH FILTER FABRIC INLET PROTECTION IMMEDIATELY UPON START OF CONSTRUCTION, AS SHOWN.
4. DEMOLISH EXISTING STRUCTURE AND SURFACE MATERIALS.
5. COMPLETE CONSTRUCTION OF ROUGH GRADING AND STORM DRAINAGE IMPROVEMENTS.
6. AFTER STORM DRAINAGE SYSTEM AND CATCH BASINS ARE CONSTRUCTED PLACE FILTER FABRIC INLET PROTECTION ON EACH CATCH BASIN, WHICH SHALL REMAIN UNTIL THE SITE IS PAVED. MAINTAIN AND REPLACE AS NECESSARY.
7. INSTALL REMAINING SITE UTILITIES.
8. INSTALL CURBS AND SIDEWALKS.
9. INSTALL PAVEMENT BASE COURSE.
10. CONSTRUCT BUILDINGS.
11. FINAL GRADING OF SITE AND PAVEMENT TOP COURSE INSTALLATION.
12. ALL SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL PERMANENT IMPROVEMENTS TO THE SITE ARE COMPLETE AND THE ROADWAY AREAS ARE PAVED.
13. LANDSCAPE ALL APPROPRIATE AREAS AS INDICATED ON THE LANDSCAPE PLAN AND REMOVE ALL TEMPORARY SEDIMENT CONTROL STRUCTURES. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD OF TOPSOILING.
14. EXCAVATE SEDIMENT FROM ALL BASINS AND DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND INSTALL BIORETENTION BASIN MEDIA, SAND, AND UNDERDRAIN IN ACCORDANCE WITH THE DESIGN DRAWINGS.
15. CLEAN ALL SITE DRAINAGE STRUCTURES AND PIPES OF SILT AND DEBRIS. DOWNSTREAM/OFF-SITE DRAINAGE FACILITIES SHALL BE INSPECTED AND CLEANED OF SILT AND DEBRIS RESULTING FROM SITE CONSTRUCTION PRIOR TO FINAL TURNOVER.
16. NOTIFY THE FREEHOLD SOIL CONSERVATION DISTRICT AT COMPLETION OF CONSTRUCTION.


EXISTING TREE TO BE PROTECTED
EXTEND TO DRIPLINE OR AS INDICATED ON DRAWINGS
4-0" TALL SNOW FENCE ATTACHED TO 7'-0" TALL STEEL POSTS SET INTO GROUND.

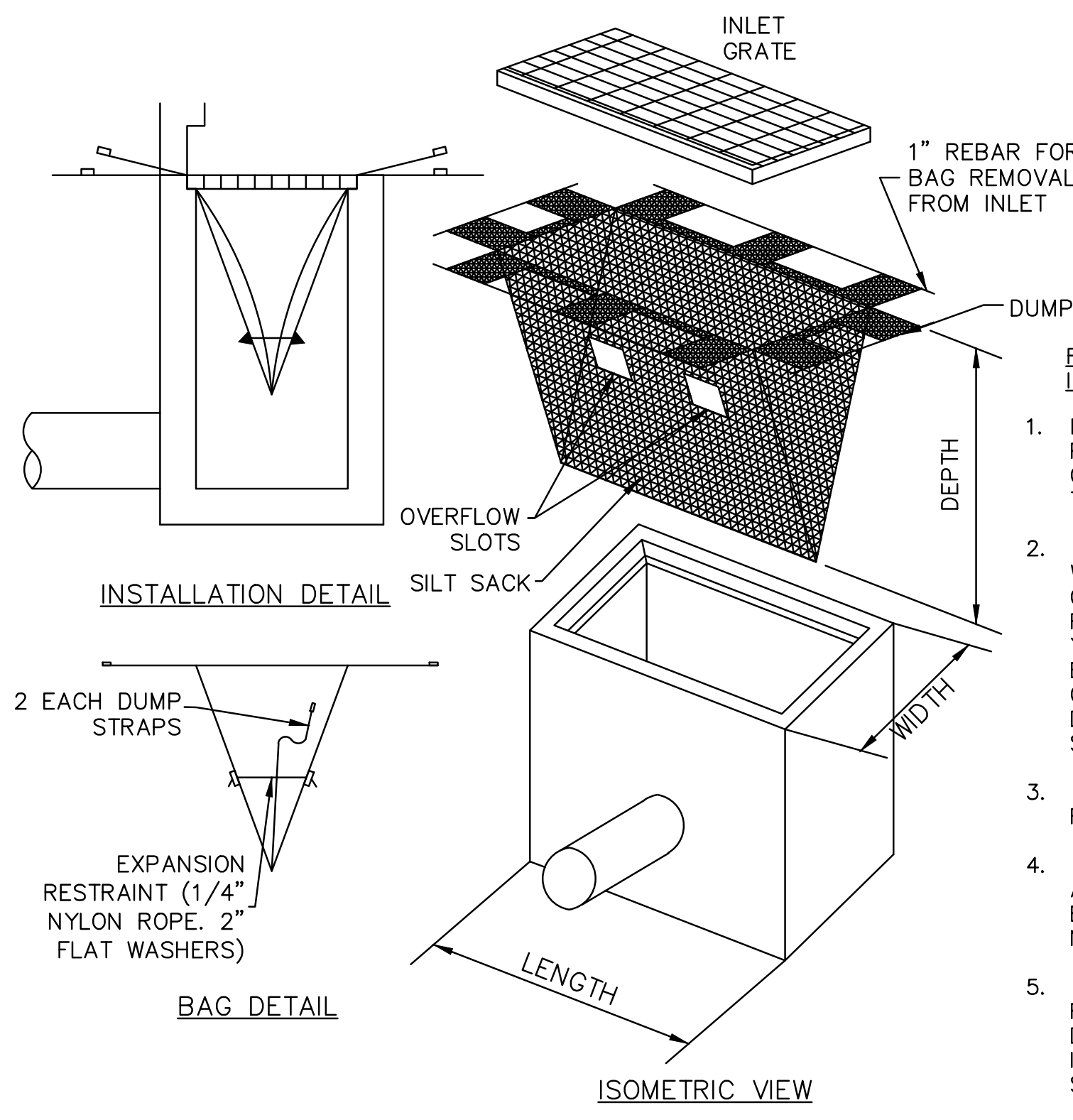
NOTE: FENCE TO BE INSTALLED & LOCATION APPROVED BY LANDSCAPE ARCHITECT BEFORE WORK BEGINS. FENCE MUST REMAIN AND BE MAINTAINED THROUGH DURATION OF DEMOLITION.

NOTES:

1. ALL EXISTING TREES WITHIN THE LIMITS OF TREE PROTECTION FENCING AS INDICATED ON THE PLAN SHALL BE PROTECTED THROUGHOUT THE DURATION OF WORK.
2. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE DRIP-LINE OF THE PROTECTED TREE OR AS INDICATED ON THE DRAWINGS UNLESS CONDITIONS WARRANT THE FENCE TO BE LOCATED WITHIN THE LIMIT OF BRANCHING.
3. DEMOLITION WORK ADJACENT TO PROTECTED TREES SHALL BE PERFORMED BY A QUALIFIED PERSON WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN WORKING WITH EXCAVATION EQUIPMENT. CONTRACTOR TO PROTECT ROOT MASS AGAINST DAMAGE DURING EXCAVATION. ANY TREE ROOTS THAT ARE DISTURBED, BROKEN OR CUT SHALL BE PRUNED BACK WITH CLEAN SHARP TOOLS.
4. NO STORAGE OF MATERIAL OR EQUIPMENT WILL BE PERMITTED WITHIN TREE PROTECTION FENCING.
5. CONTRACTOR TO PROVIDE ANY ADDITIONAL TREE PROTECTION MEASURES AS DETERMINED BY THE ENGINEER, IF REQUIRED.

NOT TO SCALE

TREE PROTECTION FENCING DETAIL

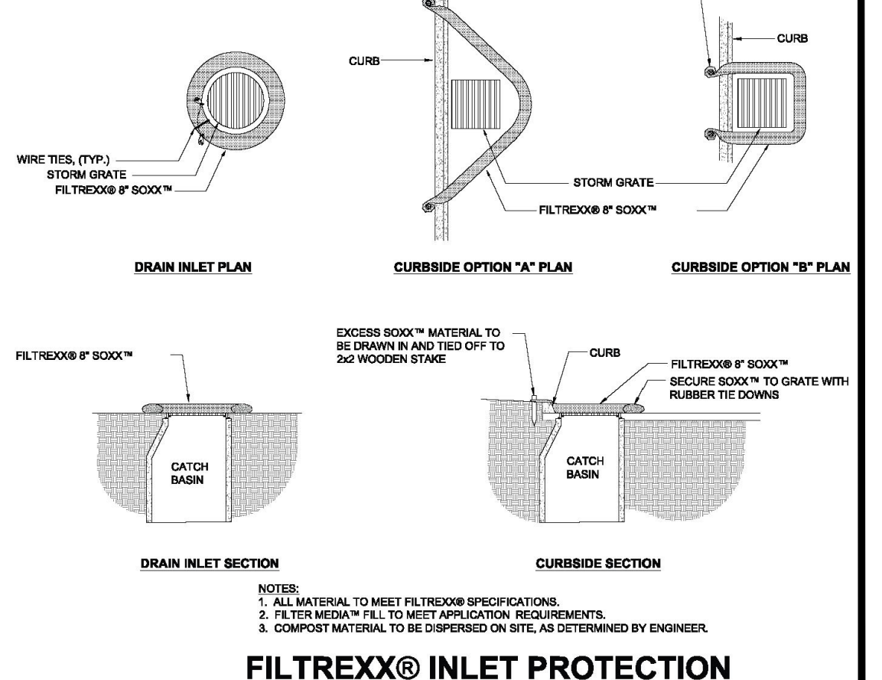

INLET GRATE
1" REBAR FOR BAG REMOVAL FROM INLET
DUMP STRAP
DEPTH
OVERFLOW SLOTS
SILT SACK
WIDTH
LENGTH
INSTALLATION DETAIL
2 EACH DUMP STRAPS
EXPANSION RESTRAINT (1/4" NYLON ROPE. 2" FLAT WASHERS)
BAG DETAIL
ISOMETRIC VIEW

REQUIREMENTS FOR INLET PROTECTION:

1. IN ALL CASES, INLET PROTECTION SHOULD NOT COMPLETELY CLOSE OFF THE INLET.
2. THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM EVENT AND SHALL SAFELY CONVEY HIGHER FLOWS DIRECTLY INTO THE STORM SEWER SYSTEM.
3. INSPECTIONS SHALL BE FREQUENT.
4. MAINTENANCE, REPAIR, AND REPLACEMENT SHALL BE MADE PROMPTLY, AS NEEDED.
5. THE BARRIER SHALL BE REMOVED WHEN THE AREA DRAINING TOWARD THE INLET HAS BEEN STABILIZED.

NOT TO SCALE

INLET SEDIMENT PROTECTION (OPTION 2)


WIRE TIES, (TYP.)
STORM GRATE
FILTREXX® 8" SOXX™
DRAIN INLET PLAN
EXCESS SOXX™ MATERIAL TO BE DRAWN IN AND TIED OFF TO 2x2 WOODEN STAKE, (TYP.)
CURB
STORM GRATE
FILTREXX® 8" SOXX™
CURBSIDE OPTION "A" PLAN
CURB
CURBSIDE OPTION "B" PLAN
FILTREXX® 8" SOXX™
CATCH BASIN
DRAIN INLET SECTION
EXCESS SOXX™ MATERIAL TO BE DRAWN IN AND TIED OFF TO 2x2 WOODEN STAKE
CURB
FILTREXX® 8" SOXX™
SECURE SOXX™ TO GRATE WITH RUBBER TIE DOWNS
CATCH BASIN
CURBSIDE SECTION

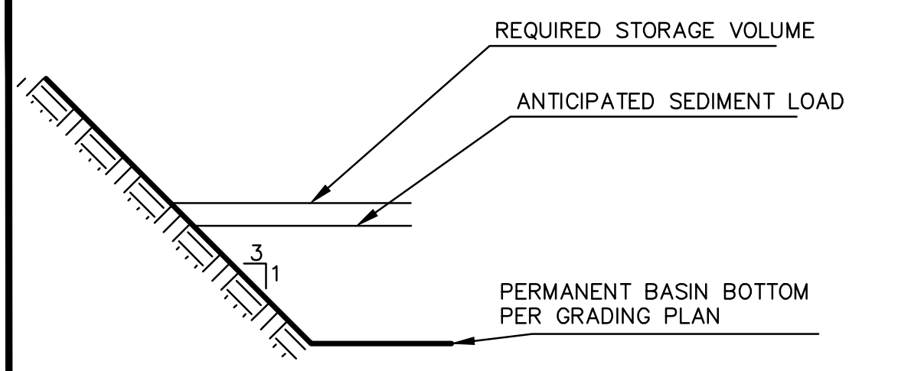
NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX® INLET PROTECTION

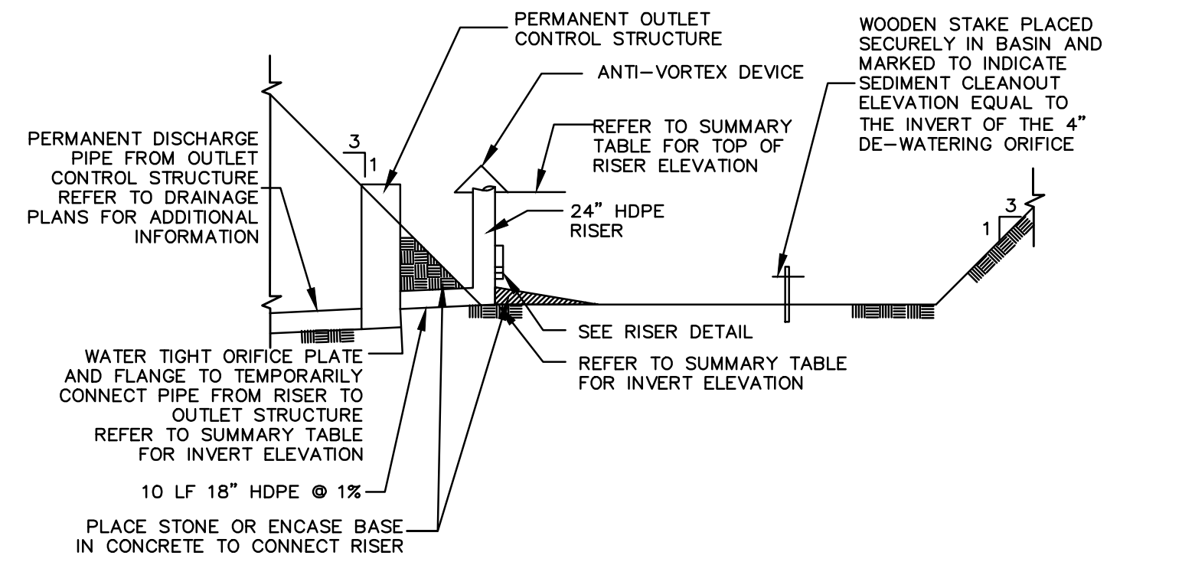
NTS

NOT TO SCALE

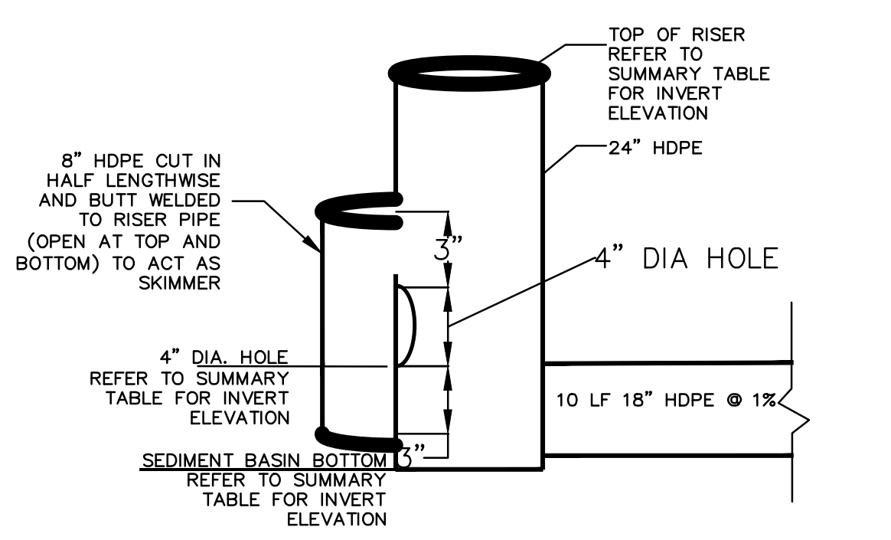
INLET SEDIMENT PROTECTION (OPTION 1)


REQUIRED STORAGE VOLUME
ANTICIPATED SEDIMENT LOAD
3
1
PERMANENT BASIN BOTTOM PER GRADING PLAN

TEMPORARY SEDIMENT BASIN CROSS SECTION


PERMANENT OUTLET CONTROL STRUCTURE
ANTI-VORTEX DEVICE
WOODEN STAKE PLACED SECURELY IN BASIN AND MARKED TO INDICATE SEDIMENT CLEANOUT ELEVATION EQUAL TO THE INVERT OF THE 4" DE-WATERING ORIFICE
PERMANENT DISCHARGE PIPE FROM OUTLET CONTROL STRUCTURE REFER TO DRAINAGE PLANS FOR ADDITIONAL INFORMATION
REFER TO SUMMARY TABLE FOR TOP OF RISER ELEVATION
24" HDPE RISER
3
1
SEE RISER DETAIL
REFER TO SUMMARY TABLE FOR INVERT ELEVATION
WATER TIGHT ORIFICE PLATE AND FLANGE TO TEMPORARILY CONNECT PIPE FROM RISER TO OUTLET STRUCTURE REFER TO SUMMARY TABLE FOR INVERT ELEVATION
10 LF 18" HDPE @ 1%
PLACE STONE OR ENCASE BASE IN CONCRETE TO CONNECT RISER

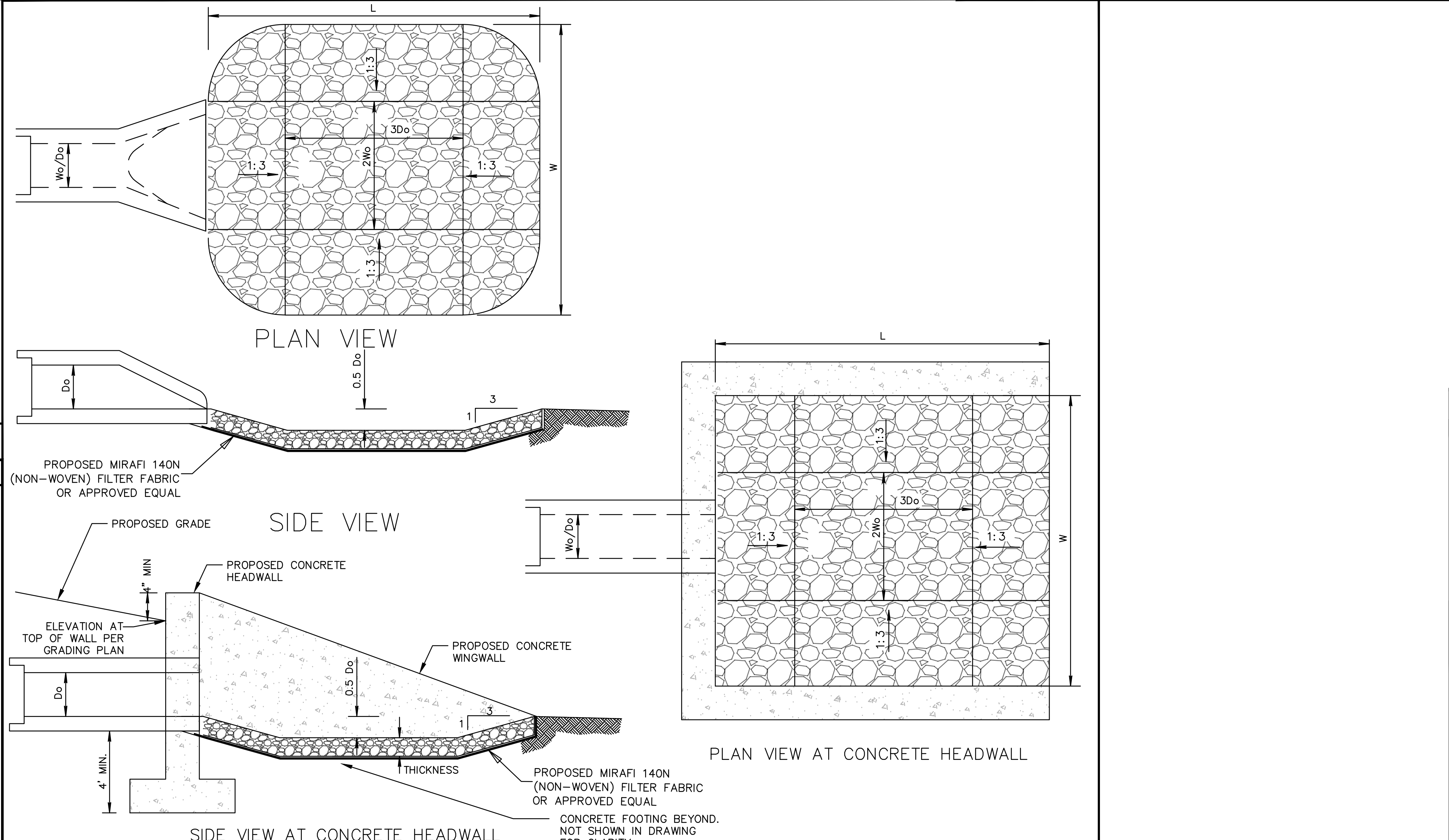
TEMPORARY SEDIMENT BASIN AND RISER CROSS SECTION


TOP OF RISER REFER TO SUMMARY TABLE FOR INVERT ELEVATION
24" HDPE
8" HDPE CUT IN HALF LENGTHWISE AND BUTT WELDED TO RISER PIPE (OPEN AT TOP AND BOTTOM) TO ACT AS SKIMMER
3"
4" DIA HOLE
4" DIA. HOLE REFER TO SUMMARY TABLE FOR INVERT ELEVATION
10 LF 18" HDPE @ 1%
SEDIMENT BASIN BOTTOM REFER TO SUMMARY TABLE FOR INVERT ELEVATION
3"

TEMPORARY RISER DETAIL

NOT TO SCALE

SEDIMENT BASIN


L
1:3
3Do
2Wo
1:3
1:3
Wo/Do
1:3
W
PLAN VIEW
Do
0.5 Do
3
1
PROPOSED MIRAFI 140N (NON-WOVEN) FILTER FABRIC OR APPROVED EQUAL
SIDE VIEW
PROPOSED GRADE
4" MIN
PROPOSED CONCRETE HEADWALL
ELEVATION AT TOP OF WALL PER GRADING PLAN
PROPOSED CONCRETE WINGWALL
Do
0.5 Do
3
1
4' MIN.
THICKNESS
PROPOSED MIRAFI 140N (NON-WOVEN) FILTER FABRIC OR APPROVED EQUAL
CONCRETE FOOTING BEYOND. NOT SHOWN IN DRAWING FOR CLARITY
SIDE VIEW AT CONCRETE HEADWALL
L
1:3
3Do
2Wo
1:3
1:3
Wo/Do
1:3
W
PLAN VIEW AT CONCRETE HEADWALL

SCOUR HOLE SUMMARY TABLE

STRUCTURE NO.	PIPE DIAMETER, Do (IN.)	TOTAL LENGTH, L (FT.)	LENGTH AT BOTTOM OF HOLE, 3Do (FT.)	WIDTH AT BOTTOM OF HOLE, 2Wo (FT.)	TOTAL WIDTH, W (FT.)	d50 (IN.)	DEPTH, 0.5Do (IN.)	THICKNESS (IN.) *
FES-101	15	7.5	3.8	2.5	6.3	6	7.5	12
FES-102	15	7.5	3.8	2.5	6.3	6	7.5	12
FES-103	15	7.5	3.8	2.5	6.3	6	7.5	12
FES-104	12	6.0	3.0	2.0	5.0	6	6.0	12
FES-105	15	6.0	3.8	2.5	5.0	6	7.5	12
FES-106	24	6.0	6.0	4.0	5.0	6	12.0	12
HW-101	18	6.0	4.5	3.0	5.0	6	9.0	12
HW-102	24	6.0	6.0	4.0	5.0	6	12.0	12

Note:
* OVER FILTER FABRIC

NOTES:

1. THE TOP OF THE SCOUR HOLE SHALL BE AT THE SAME ELEVATION AT THE UP AND DOWNSTREAM ENDS AND THE BOTTOM OF THE SCOUR HOLE SHALL BE AT 0% SLOPE.
2. THE INDICATED d50, APRON LENGTH, WIDTH AND THICKNESS HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW JERSEY SOIL EROSION AND SEDIMENT CONTROL STANDARDS.

NOT TO SCALE

SCOUR HOLE

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

Drawing No.
CE501

Project No. 102054601

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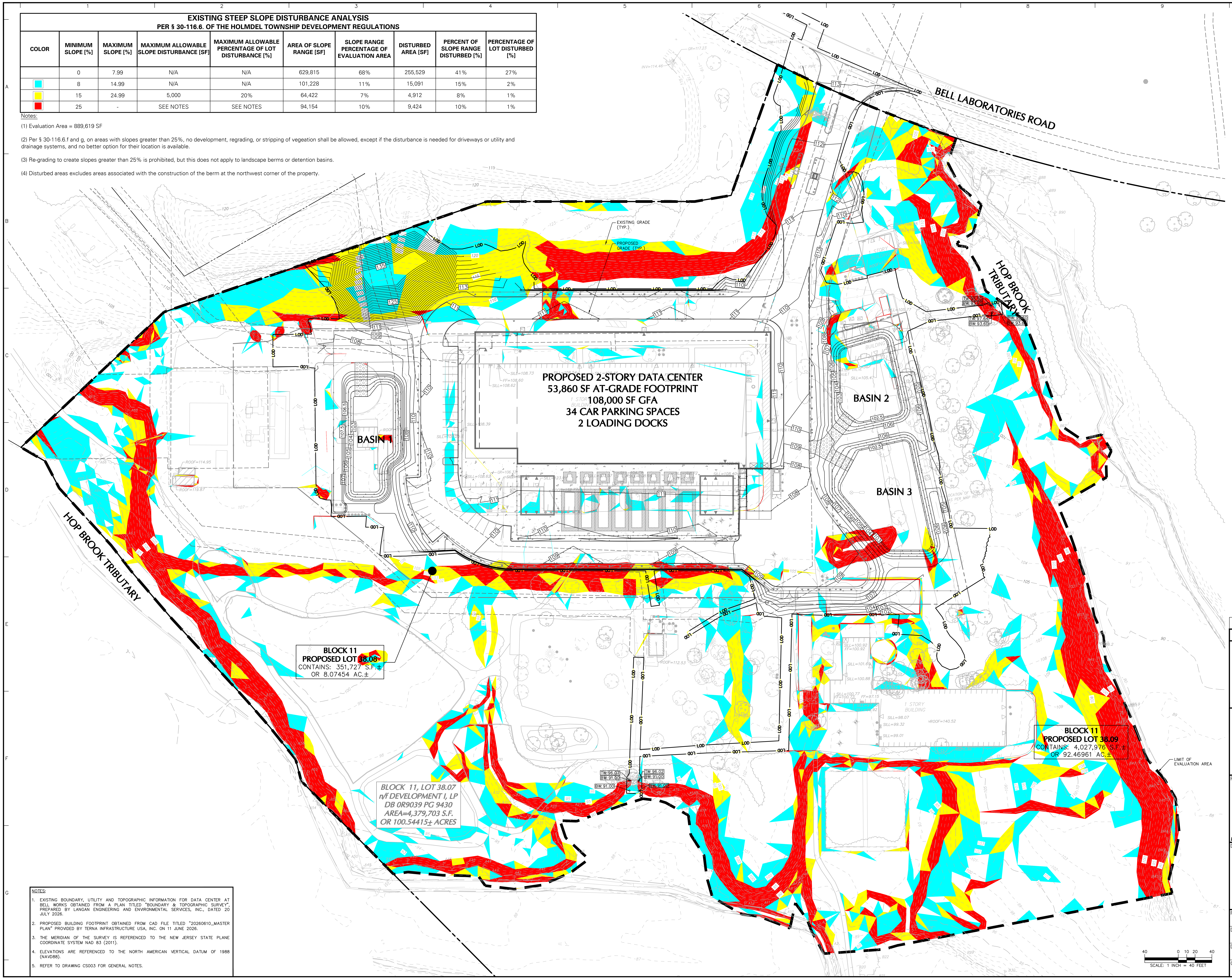
BELL LABORATORIES ROAD
NJ NAD 83 (2011)
HOP BROOK TRIBUTARY
HOP BROOK TRIBUTARY
EXISTING GRADE (TYP.)
PROPOSED GRADE (TYP.)
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
BASIN 1
BASIN 2
BASIN 3
LOD
1 STORY BUILDING
BLOCK 11
PROPOSED LOT 38.08
CONTAINS: 351,727 S.F.±
OR 8.07454 AC.±
BLOCK 11
PROPOSED LOT 38.09
CONTAINS: 4,027,976 S.F.±
OR 92.46961 AC.±
BLOCK 11, LOT 38.07
n/f DEVELOPMENT I, LP
DB 0R9039 PG 9430
AREA=4,379,703 S.F.
OR 100.54415± ACRES
LIMIT OF EVALUATION AREA
40 0 10 20 40
SCALE: 1 INCH = 40 FEET

EXISTING STEEP SLOPE DISTURBANCE ANALYSIS

PER § 30-116.6. OF THE HOLMDEL TOWNSHIP DEVELOPMENT REGULATIONS

COLOR	MINIMUM SLOPE [%]	MAXIMUM SLOPE [%]	MAXIMUM ALLOWABLE SLOPE DISTURBANCE [SF]	MAXIMUM ALLOWABLE PERCENTAGE OF LOT DISTURBANCE [%]	AREA OF SLOPE RANGE [SF]	SLOPE RANGE PERCENTAGE OF EVALUATION AREA	DISTURBED AREA [SF]	PERCENT OF SLOPE RANGE DISTURBED [%]	PERCENTAGE OF LOT DISTURBED [%]
	0	7.99	N/A	N/A	629,815	68%	255,529	41%	27%
🟦	8	14.99	N/A	N/A	101,228	11%	15,091	15%	2%
🟨	15	24.99	5,000	20%	64,422	7%	4,912	8%	1%
🟥	25	-	SEE NOTES	SEE NOTES	94,154	10%	9,424	10%	1%

Notes:

(1) Evaluation Area = 889,619 SF

(2) Per § 30-116.6.f and g, on areas with slopes greater than 25%, no development, regrading, or stripping of vegeation shall be allowed, except if the disturbance is needed for driveways or utility and drainage systems, and no better option for their location is available.

(3) Re-grading to create slopes greater than 25% is prohibited, but this does not apply to landscape berms or detention basins.

(4) Disturbed areas excludes areas associated with the construction of the berm at the northwest corner of the property.

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE-39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

STEEP SLOPES DISTURBANCE PLAN

Project No.
102054601
Date
7/24/2026
Drawn By
BMW
Checked By
LDS
Drawing No.
CA101

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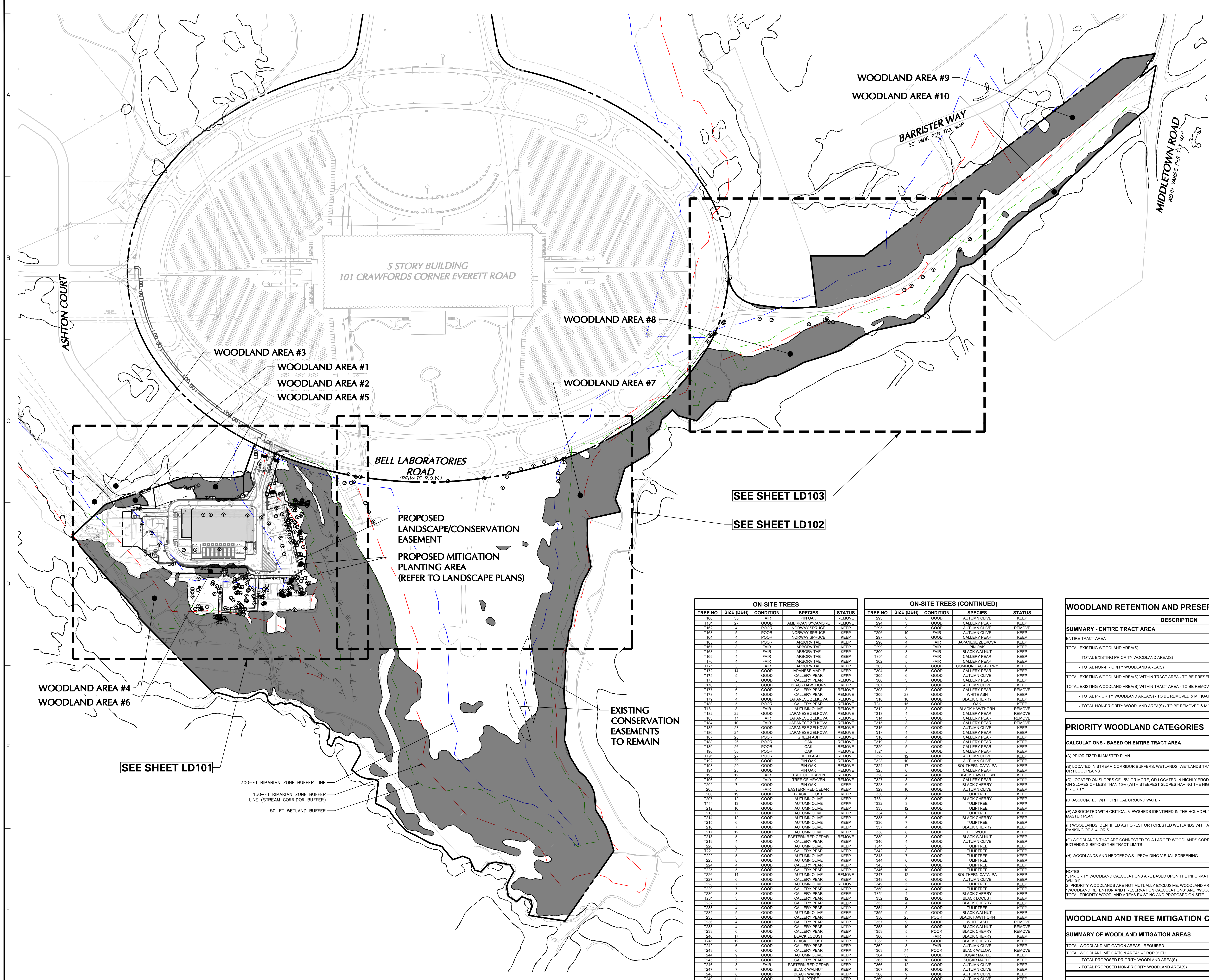


HOLMDEL TOWNSHIP, NJ - ORDINANCE COMPLIANCE CHART

SECTION		REQUIREMENT	PROPOSED	COMPLIANCE
§30–116.10(C). WOODLAND RETENTION AND PRESERVATION PLAN	3.	THE WOODLAND RETENTION AND PRESERVATION PLAN SHALL INCLUDE ALL OF THE INFORMATION PROVIDED ON THE NATURAL RESOURCE INVENTORY MAP AS WELL AS: (A) PROPOSED TOPOGRAPHY AS SHOWN ON THE PROPOSED GRADING PLAN; (B) SURVEYED LOCATIONS OF THE FOLLOWING: (1) ALL INDIVIDUAL TREES SIX INCHES DBH OR LARGER THAT ARE NOT LOCATED IN A DELINEATED FOREST STAND BUT ARE NEVERTHELESS PROPOSED TO BE RETAINED AND ARE LOCATED WITHIN THE PROPOSED AREAS OF DISTURBANCE; AND (2) IF A FOREST STAND OR PORTION THEREOF IS PROPOSED TO BE RETAINED, ALL INDIVIDUAL TREES SIX INCHES DBH OR GREATER LOCATED WITHIN THE FIRST 25 FEET OF SUCH AREA, MEASURED TOWARD THE INTERIOR OF THE WOODLAND FROM ITS PROPOSED PERIMETER.	THE WOODLAND RETENTION AND PRESERVATION PLANS INCLUDE ALL INFORMATION AS PROVIDED ON THE NATURAL RESOURCE SURVEY MAP, AS WELL AS THE ADDITIONAL INFORMATION AS REQUIRED. REFER TO THE NATURAL RESOURCE SURVEY MAP ON SHEET WN101.	COMPLIES
§30–116.10(D). WOODLAND RETENTION REQUIREMENTS	1.	...IF WOODLANDS ARE TO BE DISTURBED OR REMOVED, THE APPLICANT SHALL DESIGN THE DEVELOPMENT IN SUCH A WAY AS TO AVOID OR MINIMIZE REMOVAL OF PRIORITY WOODLANDS, WHICH SHALL CONSIST OF WOODLANDS IN ANY OF THE FOLLOWING PRIORITY CATEGORIES... [REFER TO THE WOODLAND RETENTION AND PRESERVATION CALCS CHART ON THIS SHEET FOR PRIORITY CATEGORIES LISTED] NOT MORE THAN 10% OF PRIORITY WOODLANDS EXISTING ON THE SITE PRIOR TO ITS DEVELOPMENT SHALL BE REMOVED OR OTHERWISE DISTURBED FOR DEVELOPMENT. ANY REMOVAL OF PRIORITY WOODLANDS SHALL REQUIRE MITIGATION, IRRESPECTIVE OF THE EXEMPTIONS SET FORTH IN PARAGRAPHS D4 AND 5 HEREIN.	REQUIRED 10% X 2,281,396 SF TOTAL EXISTING PRIORITY WOODLANDS = 228,140 SF TOTAL EXISTING PRIORITY WOODLANDS PERMITTED TO BE REMOVED IN ENTIRE TRACT PROPOSED SEE WOODLAND RETENTION & PRESERVATION CALCULATIONS CHART ON THIS SHEET.	COMPLIES
	2.	ALL WOODLAND AREAS THAT ARE IN A REQUIRED BUFFER AREA OR SETBACK AREA AND ARE DESIGNATED FOR RETENTION SHALL BE PROTECTED BY A LANDSCAPE OR CONSERVATION EASEMENT.	EXISTING CONSERVATION EASEMENTS SHALL REMAIN. REFER TO THE LANDSCAPE PLANS FOR PROPOSED LANDSCAPE CONSERVATION EASEMENTS.	COMPLIES
	4.	SUBJECT TO THE PROVISIONS OF PARAGRAPH D1, ABOVE, IF THE APPLICATION IS FOR A SUBDIVISION, A PORTION OF THE WOODLANDS EXISTING ON THE TRACT PRIOR TO DEVELOPMENT MAY BE PERMITTED TO BE REMOVED FOR DEVELOPMENT AS FOLLOWS: (A) UP TO 10% OF THE WOODLANDS BASED ON THE AREA COVERED BY THE TREE CANOPY (DRIPLINE) EXISTING ON THE TRACT PRIOR TO DEVELOPMENT MAY BE REMOVED FOR THE CONSTRUCTION OF NECESSARY PUBLIC AND PRIVATE STREETS, PUBLIC UTILITIES AND COMMON OR PUBLIC STORMWATER MANAGEMENT FACILITIES	REQUIRED MAX. 10% X 2,287,697 SF TOTAL EXISTING WOODLANDS (TRACT) = 228,770 SF MAX. EXISTING WOODLANDS PERMITTED TO BE REMOVED FROM ENTIRE TRACT PROPOSED SEE WOODLAND RETENTION & PRESERVATION CALCULATIONS CHART ON THIS SHEET.	COMPLIES
	5.	SUBJECT TO THE PROVISIONS OF PARAGRAPH D1 ABOVE, IF THE APPLICATION IS FOR SITE PLAN APPROVAL, UP TO 20% OF THE WOODLANDS EXISTING ON THE LOT PRIOR TO DEVELOPMENT MAY BE REMOVED FOR DEVELOPMENT, PROVIDED, HOWEVER, THAT ALL IMPROVEMENTS SHALL BE LOCATED SO AS TO RETAIN ANY SIGNIFICANT OR SPECIMEN TREE OR ANY OTHER DESIRABLE HEALTHY INDIVIDUAL TREE AS IDENTIFIED BY THE APPROVING AUTHORITY. THE APPROVING AUTHORITY MAY CONSULT WITH THE HOLMDEL SHADE TREE COMMITTEE AND/OR THE CONSTRUCTION OFFICE AND/OR THE ENVIRONMENTAL OFFICER IN MAKING THIS IDENTIFICATION. FOR DEVELOPMENTS INVOLVING BOTH SITE PLAN AND SUBDIVISION APPROVAL, THE REQUIREMENTS OF PARAGRAPH D4 SHALL APPLY TO THE DEVELOPMENT OF THE TRACT AS A WHOLE AND TO THE DEVELOPMENT OF ANY NEW RESIDENTIAL LOTS WITHIN THE DEVELOPMENT, AND THE REQUIREMENTS OF THIS PARAGRAPH D5 SHALL APPLY ONLY TO THE DEVELOPMENT OF ANY NONRESIDENTIAL LOTS WITHIN THE DEVELOPMENT.	REQUIRED MAX. 20% X 2,287,697 SF TOTAL EXISTING WOODLANDS (TRACT) = 457,540 SF MAX. EXISTING WOODLANDS PERMITTED TO BE REMOVED FROM ENTIRE TRACT PROPOSED SEE WOODLAND RETENTION & PRESERVATION CALCULATIONS CHART ON THIS SHEET.	COMPLIES
	6.	IF THE APPROVAL OF THE APPLICATION AND OF ANY PERMITS ISSUED PURSUANT TO SUCH APPROVAL WILL RESULT IN THE REMOVAL OF MORE WOODLANDS THAN THE LIMITS SET FORTH IN PARAGRAPHS D4 AND 5 ABOVE, OR WILL RESULT IN THE REMOVAL OF ANY PRIORITY WOODLANDS, IDENTIFIED IN PARAGRAPH D1 ABOVE, MITIGATION SHALL BE REQUIRED ON AN ACRE FOR ACRE BASIS TO THE EXTENT OF SUCH EXCESS REMOVAL OF PRIORITY WOODLANDS. MITIGATION SHALL BE UNDERTAKEN IN ACCORDANCE WITH PARAGRAPH F OF THIS SUBSECTION.	REFER TO THE LANDSCAPE PLANS FOR WOODLAND MITIGATION CALCULATIONS AND PROPOSED MITIGATION AREAS AND PLANTINGS.	COMPLIES

Woodland Area No.	Dominant & Co-Dominant Species	Understory Vegetation	Range of Sizes (DBH)	Health & Condition of Trees within Stand	Invasive Species within Stand
1	Sugar maple, Spruce (Norway and Colorado), Douglas fir	Lawn	4 to 10	Good	None
2	Callery Pear	Autumn olive, Mugwort, Wineberry	3 to 10	Good	All
3	Callery Pear, Eastern cottonwood, Black locust, Black walnut	Autumn olive, Mugwort, Wineberry, White snakeroot	4 to 24	Good	Callery Pear, Black locust, Autumn olive, Mugwort, Wineberry
4	Hickory, Oak, Black locust, Tuliptree	Autumn olive, Northern bayberry, Mugwort	4 to 35	Good	Black locust, Autumn olive, Mugwort
5	White pine, Oak, White ash	Mugwort, Wineberry, American Holly, Oriental bittersweet, Virginia creeper, Poison ivy	6 to 36	Good	Mugwort, Wineberry, Oriental bittersweet
6	Pin oak, Callery Pear	Autumn olive, Multiflora rose, Mugwort, Yarrow, Oriental bittersweet, Common reed	6 to 36	Good	Callery Pear, Autumn olive, Multiflora rose, Mugwort, Oriental bittersweet, Common reed
7	Black locust , Tuliptree	Mugwort, Wineberry	5 to 20	Good	Black locust, Mugwort, Wineberry
8	Sugar maple, Black walnut	Multiflora rose, Wineberry, Common milkweed, Japanese stiltgrass	6 to 30	Good	Multiflora rose, Wineberry, Japanese stiltgrass
9	Sugar maple, Common persimmon, Black alder	Japanese stiltgrass, White snakeroot, Blackhaw, Multiflora rose, Fox grape	6 ro 24	Good	Black alder, Japanese stiltgrass, Multiflora rose
10	Black locust, Black walnut	White snakeroot, Japanese stiltgrass, Mile-a-minute, Virginia stickseed	4 to 20	Good	Black locust, Japanese stiltgrass, Mile-a-minute

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

NOTES:

1. REFER TO SHEETS LD101 THRU LD103 FOR WOODLAND RETENTION AND PRESERVATION PLANS I, II, AND III.
2. REFER TO SHEET WN101 FOR NATURAL RESOURCE SURVEY MAP.

ON-SITE TREES

TREE NO.	SIZE (DBH)	CONDITION	SPECIES	STATUS
T160	35	FAIR	PIN OAK	REMOVE
T161	27	GOOD	AMERICAN SYCAMORE	REMOVE
T162	4	POOR	NORWAY SPRUCE	KEEP
T163	5	POOR	NORWAY SPRUCE	KEEP
T164	4	POOR	NORWAY SPRUCE	KEEP
T165	4	POOR	ARBORVITAE	KEEP
T167	3	FAIR	ARBORVITAE	KEEP
T168	4	FAIR	ARBORVITAE	KEEP
T169	4	FAIR	ARBORVITAE	KEEP
T170	4	FAIR	ARBORVITAE	KEEP
T171	3	FAIR	ARBORVITAE	KEEP
T172	14	GOOD	JAPANESE MAPLE	KEEP
T174	5	GOOD	CALLERY PEAR	KEEP
T175	5	GOOD	CALLERY PEAR	REMOVE
T176	3	GOOD	BLACK HAWTHORN	KEEP
T177	6	GOOD	CALLERY PEAR	REMOVE
T178	4	GOOD	CALLERY PEAR	REMOVE
T179	4	GOOD	JAPANESE ZELKOVA	REMOVE
T180	5	POOR	CALLERY PEAR	REMOVE
T181	8	FAIR	AUTUMN OLIVE	REMOVE
T182	22	GOOD	JAPANESE ZELKOVA	REMOVE
T183	11	FAIR	JAPANESE ZELKOVA	REMOVE
T184	10	FAIR	JAPANESE ZELKOVA	REMOVE
T185	23	GOOD	JAPANESE ZELKOVA	REMOVE
T186	24	GOOD	JAPANESE ZELKOVA	REMOVE
T187	28	POOR	GREEN ASH	REMOVE
T188	26	POOR	OAK	REMOVE
T189	26	POOR	OAK	REMOVE
T190	30	POOR	OAK	REMOVE
T191	27	POOR	GREEN ASH	REMOVE
T192	29	GOOD	PIN OAK	REMOVE
T193	29	GOOD	PIN OAK	REMOVE
T194	28	GOOD	PIN OAK	REMOVE
T195	12	FAIR	TREE OF HEAVEN	REMOVE
T196	9	FAIR	TREE OF HEAVEN	REMOVE
T202	7	GOOD	PIN OAK	KEEP
T205	5	FAIR	EASTERN RED CEDAR	KEEP
T206	19	GOOD	BLACK LOCUST	KEEP
T207	12	GOOD	AUTUMN OLIVE	KEEP
T211	13	GOOD	AUTUMN OLIVE	KEEP
T212	10	GOOD	AUTUMN OLIVE	KEEP
T213	11	GOOD	AUTUMN OLIVE	KEEP
T214	12	GOOD	AUTUMN OLIVE	KEEP
T215	6	GOOD	AUTUMN OLIVE	KEEP
T216	7	GOOD	AUTUMN OLIVE	KEEP
T217	12	GOOD	AUTUMN OLIVE	KEEP
T218	5	GOOD	EASTERN RED CEDAR	REMOVE
T219	4	GOOD	CALLERY PEAR	KEEP
T220	8	GOOD	AUTUMN OLIVE	KEEP
T221	3	GOOD	CALLERY PEAR	KEEP
T222	5	GOOD	AUTUMN OLIVE	KEEP
T223	8	GOOD	AUTUMN OLIVE	KEEP
T224	4	GOOD	CALLERY PEAR	KEEP
T225	5	GOOD	CALLERY PEAR	KEEP
T226	14	GOOD	AUTUMN OLIVE	REMOVE
T227	6	GOOD	CALLERY PEAR	KEEP
T228	7	GOOD	AUTUMN OLIVE	REMOVE
T229	7	GOOD	CALLERY PEAR	KEEP
T230	3	GOOD	CALLERY PEAR	KEEP
T231	3	GOOD	CALLERY PEAR	KEEP
T232	3	GOOD	CALLERY PEAR	KEEP
T233	4	GOOD	CALLERY PEAR	KEEP
T234	5	GOOD	AUTUMN OLIVE	KEEP
T235	3	GOOD	CALLERY PEAR	KEEP
T236	4	GOOD	CALLERY PEAR	KEEP
T238	4	GOOD	CALLERY PEAR	KEEP
T239	6	GOOD	CALLERY PEAR	KEEP
T240	17	GOOD	BLACK LOCUST	KEEP
T241	12	GOOD	BLACK LOCUST	KEEP
T242	6	GOOD	CALLERY PEAR	KEEP
T243	6	GOOD	CALLERY PEAR	KEEP
T244	9	GOOD	AUTUMN OLIVE	KEEP
T245	5	GOOD	CALLERY PEAR	KEEP
T246	8	FAIR	EASTERN RED CEDAR	KEEP
T247	7	GOOD	BLACK WALNUT	KEEP
T248	8	GOOD	BLACK WALNUT	KEEP
T249	11	GOOD	TULIPTREE	KEEP
T250	12	GOOD	AUTUMN OLIVE	KEEP
T251	5	GOOD	CALLERY PEAR	KEEP
T252	8	GOOD	CALLERY PEAR	KEEP
T253	10	GOOD	BLACK WALNUT	KEEP
T258	8	GOOD	BLACK LOCUST	REMOVE
T259	7	GOOD	BLACK LOCUST	REMOVE
T260	4	GOOD	JAPANESE ZELKOVA	REMOVE
T261	3	GOOD	CALLERY PEAR	REMOVE
T262	3	GOOD	BLACK LOCUST	KEEP
T263	4	GOOD	CALLERY PEAR	KEEP
T264	6	GOOD	CALLERY PEAR	KEEP
T265	5	GOOD	CALLERY PEAR	KEEP
T266	6	GOOD	CALLERY PEAR	KEEP
T267	7	FAIR	TREE OF HEAVEN	REMOVE
T268	3	FAIR	ARBORVITAE	KEEP
T269	3	POOR	ARBORVITAE	REMOVE
T270	4	POOR	NORWAY SPRUCE	REMOVE
T271	5	POOR	NORWAY SPRUCE	REMOVE
T272	4	POOR	NORWAY SPRUCE	REMOVE
T273	13	GOOD	BLACK WALNUT	REMOVE
T274	11	GOOD	HICKORY	KEEP
T275	5	FAIR	BLACK CHERRY	KEEP
T276	10	FAIR	BLACK CHERRY	KEEP
T277	20	GOOD	BLACK CHERRY	REMOVE
T278	4	GOOD	CALLERY PEAR	KEEP
T279	5	GOOD	CALLERY PEAR	KEEP
T280	5	GOOD	CALLERY PEAR	KEEP
T281	3	GOOD	CALLERY PEAR	KEEP
T282	3	GOOD	CALLERY PEAR	KEEP
T283	4	GOOD	CALLERY PEAR	KEEP
T284	5	GOOD	BLACK WALNUT	KEEP
T285	16	GOOD	SOUTHERN CATALPA	KEEP
T286	4	GOOD	CALLERY PEAR	KEEP
T287	12	GOOD	AUTUMN OLIVE	KEEP
T288	3	GOOD	CALLERY PEAR	KEEP
T289	12	GOOD	AUTUMN OLIVE	KEEP
T290	6	GOOD	AUTUMN OLIVE	KEEP
T291	9	GOOD	AUTUMN OLIVE	KEEP
T292	6	GOOD	AUTUMN OLIVE	KEEP

ON-SITE TREES (CONTINUED)

TREE NO.	SIZE (DBH)	CONDITION	SPECIES	STATUS
T293	8	GOOD	AUTUMN OLIVE	KEEP
T294	3	GOOD	CALLERY PEAR	KEEP
T295	9	GOOD	AUTUMN OLIVE	REMOVE
T296	10	FAIR	AUTUMN OLIVE	KEEP
T297	6	GOOD	CALLERY PEAR	KEEP
T298	4	FAIR	JAPANESE ZELKOVA	KEEP
T299	5	FAIR	PIN OAK	KEEP
T300	3	FAIR	BLACK WALNUT	KEEP
T301	5	FAIR	CALLERY PEAR	KEEP
T302	5	FAIR	CALLERY PEAR	KEEP
T303	6	GOOD	COMMON HACKBERRY	KEEP
T304	6	GOOD	CALLERY PEAR	KEEP
T305	6	GOOD	AUTUMN OLIVE	KEEP
T306	3	GOOD	CALLERY PEAR	KEEP
T307	5	GOOD	AUTUMN OLIVE	KEEP
T308	3	GOOD	CALLERY PEAR	REMOVE
T309	28	GOOD	WHITE ASH	KEEP
T310	18	GOOD	BLACK CHERRY	KEEP
T311	15	GOOD	OAK	KEEP
T312	3	GOOD	BLACK HAWTHORN	REMOVE
T313	4	GOOD	CALLERY PEAR	REMOVE
T314	3	GOOD	CALLERY PEAR	REMOVE
T315	3	GOOD	CALLERY PEAR	REMOVE
T316	9	GOOD	AUTUMN OLIVE	KEEP
T317	4	GOOD	CALLERY PEAR	KEEP
T318	4	GOOD	CALLERY PEAR	KEEP
T319	3	GOOD	CALLERY PEAR	KEEP
T320	5	GOOD	CALLERY PEAR	KEEP
T321	5	GOOD	CALLERY PEAR	KEEP
T322	12	GOOD	AUTUMN OLIVE	KEEP
T323	10	GOOD	AUTUMN OLIVE	KEEP
T324	17	GOOD	SOUTHERN CATALPA	KEEP
T325	6	GOOD	CALLERY PEAR	KEEP
T326	4	GOOD	BLACK HAWTHORN	KEEP
T327	8	GOOD	CALLERY PEAR	KEEP
T328	6	GOOD	BLACK CHERRY	KEEP
T329	10	GOOD	AUTUMN OLIVE	KEEP
T330	3	GOOD	TULIPTREE	KEEP
T331	5	GOOD	BLACK CHERRY	KEEP
T332	3	GOOD	TULIPTREE	KEEP
T333	12	GOOD	TULIPTREE	KEEP
T334	9	GOOD	TULIPTREE	KEEP
T335	6	GOOD	BLACK CHERRY	KEEP
T336	7	GOOD	TULIPTREE	KEEP
T337	4	GOOD	BLACK CHERRY	KEEP
T338	8	GOOD	DOGWOOD	KEEP
T339	3	GOOD	BLACK WALNUT	KEEP
T340	4	GOOD	AUTUMN OLIVE	KEEP
T341	3	GOOD	TULIPTREE	KEEP
T342	8	GOOD	TULIPTREE	KEEP
T343	7	GOOD	TULIPTREE	KEEP
T344	6	GOOD	TULIPTREE	KEEP
T345	8	GOOD	TULIPTREE	KEEP
T346	10	GOOD	TULIPTREE	KEEP
T347	12	GOOD	SOUTHERN CATALPA	KEEP
T348	6	GOOD	AUTUMN OLIVE	KEEP
T349	5	GOOD	TULIPTREE	KEEP
T350	4	GOOD	TULIPTREE	KEEP
T351	4	GOOD	BLACK CHERRY	KEEP
T352	12	GOOD	BLACK LOCUST	KEEP
T353	4	GOOD	BLACK CHERRY	KEEP
T354	3	GOOD	TULIPTREE	KEEP
T355	9	GOOD	BLACK WALNUT	KEEP
T356	25	POOR	BLACK HAWTHORN	KEEP
T357	9	GOOD	WHITE ASH	REMOVE
T358	10	GOOD	BLACK WALNUT	REMOVE
T359	5	POOR	BLACK CHERRY	REMOVE
T360	7	FAIR	BLACK CHERRY	KEEP
T361	7	GOOD	BLACK CHERRY	KEEP
T362	3	FAIR	AUTUMN OLIVE	KEEP
T363	24	POOR	BLACK WILLOW	REMOVE
T364	33	GOOD	SUGAR MAPLE	KEEP
T365	18	GOOD	SUGAR MAPLE	KEEP
T366	12	GOOD	AUTUMN OLIVE	KEEP
T367	10	GOOD	AUTUMN OLIVE	KEEP
T368	9	GOOD	AUTUMN OLIVE	KEEP
T369	6	GOOD	AUTUMN OLIVE	KEEP
T370	10	FAIR	GROUNDSELTREE	KEEP
T371	10	GOOD	AUTUMN OLIVE	KEEP
T372	10	GOOD	AUTUMN OLIVE	KEEP
T373	26	FAIR	SUGAR MAPLE	KEEP
T374	21	GOOD	SUGAR MAPLE	KEEP
T375	13	GOOD	SUGAR MAPLE	KEEP
T376	33	GOOD	PIN OAK	KEEP
T377	19	GOOD	AMERICAN HOLLY	KEEP
T378	26	GOOD	SUGAR MAPLE	KEEP
T379	16	GOOD	SUGAR MAPLE	KEEP
T380	34	FAIR	SUGAR MAPLE	KEEP
T381	25	GOOD	SUGAR MAPLE	KEEP
T382	31	FAIR	SUGAR MAPLE	KEEP
T383	15	GOOD	BLACK WALNUT	KEEP
T384	16	GOOD	BLACK LOCUST	KEEP
T385	33	FAIR	BOXELDER	KEEP (SPECIMEN)
T387	7	GOOD	BLACK LOCUST	KEEP
T388	22	GOOD	SUGAR MAPLE	KEEP
T389	19	FAIR	SUGAR MAPLE	KEEP
T390	7	GOOD	WILLOW OAK	KEEP
T391	4	GOOD	BLACK HAWTHORN	KEEP
T392	26	GOOD	AMERICAN BEECH	KEEP
T393	19	FAIR	SUGAR MAPLE	KEEP
T394	3	GOOD	WILLOW OAK	KEEP
T395	3	GOOD	WILLOW OAK	KEEP
T396	8	GOOD	AUTUMN OLIVE	KEEP
T397	7	GOOD	HICKORY	KEEP
T398	15	FAIR	BLACK WALNUT	KEEP
T399	12	GOOD	AUTUMN OLIVE	KEEP
T400	24	FAIR	WHITE ASH	KEEP
T401	14	GOOD	AUTUMN OLIVE	KEEP
T402	16	GOOD	AUTUMN OLIVE	KEEP
T403	19	FAIR	WHITE MULBERRY	KEEP
T404	4	GOOD	CALLERY PEAR	KEEP
T405	8	FAIR	WHITE MULBERRY	KEEP
T406	3	GOOD	CALLERY PEAR	KEEP
T407	6	GOOD	CALLERY PEAR	KEEP
T408	8	GOOD	CALLERY PEAR	KEEP

WOODLAND RETENTION AND PRESERVATION CALCULATIONS

DESCRIPTION	AREA (SF)	AREA (AC)	NET AREA (%)
SUMMARY - ENTIRE TRACT AREA			
ENTIRE TRACT AREA	4,379,703	100.5	--
TOTAL EXISTING WOODLAND AREA(S)	2,287,697	52.5	--
- TOTAL EXISTING PRIORITY WOODLAND AREA(S)	2,281,396	52.4	99.7%
- TOTAL NON-PRIORITY WOODLAND AREA(S)	6,301	0.14	0.28%
TOTAL EXISTING WOODLAND AREA(S) WITHIN TRACT AREA - TO BE PRESERVED	2,283,048	52.4	99.8%
TOTAL EXISTING WOODLAND AREA(S) WITHIN TRACT AREA - TO BE REMOVED	4,649	0.11	0.20%
- TOTAL PRIORITY WOODLAND AREA(S) - TO BE REMOVED & MITIGATION REQUIRED	3,944	0.09	0.17%
- TOTAL NON-PRIORITY WOODLAND AREA(S) - TO BE REMOVED & MITIGATION IS NOT REQUIRED	705	0.02	0.03%

PRIORITY WOODLAND CATEGORIES

CALCULATIONS - BASED ON ENTIRE TRACT AREA	TOTAL EXISTING (SF / %)		TOTAL PROPOSED (SF / %)	
(A) PRIORITIZED IN MASTER PLAN	0	0.0%	0	0.0%
(B) LOCATED IN STREAM CORRIDOR BUFFERS, WETLANDS, WETLANDS TRANSITION, OR FLOODPLAINS	1,692,307	74.0%	0	0.0%
(C) LOCATED ON SLOPES OF 15% OR MORE, OR LOCATED IN HIGHLY ERODIBLE SOILS ON SLOPES OF LESS THAN 15% (WITH STEEPEST SLOPES HAVING THE HIGHEST PRIORITY)	2,237,887	97.8%	256	0.01%
(D) ASSOCIATED WITH CRITICAL GROUND WATER	0	0.0%	0	0.0%
(E) ASSOCIATED WITH CRITICAL VIEWSHEDS IDENTIFIED IN THE HOLMDEL TOWNSHIP MASTER PLAN	1,426,212	62.3%	0	0.0%
(F) WOODLANDS IDENTIFIED AS FOREST OR FORESTED WETLANDS WITH A HABITAT RANKING OF 3, 4, OR 5	1,810,580	79.1%	0	0.0%
(G) WOODLANDS THAT ARE CONNECTED TO A LARGER WOODLANDS CORRIDOR EXTENDING BEYOND THE TRACT LIMITS	2,203,832	96.3%	2,094	0.1%
(H) WOODLANDS AND HEDGEROWS - PROVIDING VISUAL SCREENING	40,838	1.8%	0	0.0%

NOTES:
1. PRIORITY WOODLAND CALCULATIONS ARE BASED UPON THE INFORMATION PROVIDED IN THE "NATURAL RESOURCE SURVEY MAP" (SEE SHEET WN101).
2. PRIORITY WOODLANDS ARE NOT MUTUALLY EXCLUSIVE. WOODLAND AREAS MAY BE REPRESENTED IN MORE THAN ONE CATEGORY. SEE "WOODLAND RETENTION AND PRESERVATION CALCULATIONS" AND "WOODLAND AND TREE MITIGATION CALCULATIONS" CHARTS FOR OVERALL TOTAL PRIORITY WOODLAND AREAS EXISTING AND PROPOSED ON-SITE.

WOODLAND AND TREE MITIGATION CALCULATIONS

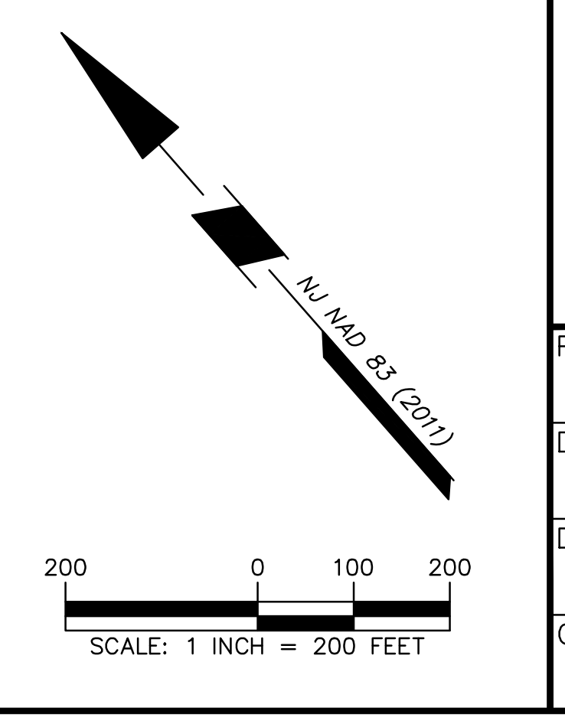
SUMMARY OF WOODLAND MITIGATION AREAS	AREA (SF)	AREA (AC)
TOTAL WOODLAND MITIGATION AREAS - REQUIRED	3,944	0.09
TOTAL WOODLAND MITIGATION AREAS - PROPOSED	4,367	0.10
- TOTAL PROPOSED PRIORITY WOODLAND AREA(S)	2,094	0.05
- TOTAL PROPOSED NON-PRIORITY WOODLAND AREA(S)	2,273	0.05

SUMMARY OF TREE MITIGATION	TOTAL
TOTAL EXISTING TREES	231 TREES
TOTAL EXISTING TREES - TO REMAIN AND BE PRESERVED	184 TREES
TOTAL EXISTING TREES - TO BE REMOVED	47 TREES
TOTAL DIAMETER OF EXISTING TREES TO BE REMOVED	605 INCHES DBH
TOTAL DIAMETER OF PROPOSED TREES (PER THE LANDSCAPE PLANS)	472 INCHES DBH

SUMMARY OF MITIGATION PLANTING	REQUIRED (PER AC)	PROPOSED (PER AC)
35 TOTAL TREES PER ACRE - AT 2" CAL. MIN. SIZE	4	4
70 TOTAL TREES PER ACRE - AT 1" CAL. MIN. SIZE	7	7
100 TOTAL TREES PER ACRE - WHIP SIZE	10	10
40 TOTAL SHRUBS PER ACRE - AT PLANTING AREA EDGES	4	4
NOTE: MITIGATION PLANTING CALCULATIONS ARE BASED UPON REQUIRED 1:1 ACRE MITIGATION RATIO.		

NOTES:

1. WOODLAND RETENTION, PRESERVATION, AND MITIGATION CALCULATIONS SHALL BE AS REQUIRED PER THE TOWNSHIP OF HOLMDEL, NJ ORDINANCE §30–116.10(D) "WOODLAND RETENTION REQUIREMENTS."
2. REFER TO THE LANDSCAPE PLANS FOR PROPOSED WOODLAND MITIGATION AREAS AND PROPOSED QUANTITIES, SIZES, LOCATIONS, AND SPECIES OF PLANTINGS WITHIN MITIGATION AREAS.
3. REFER TO THE NATURAL RESOURCE SURVEY MAP (SHEET WN101) REGARDING PRIORITY CATEGORIES.



Date	Description	No.

Revisions

Signature
DANIEL BADGLEY
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700
Date

LANGAN
Langan Engineering and Environmental Services, LLC
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NJ Certificate of Authorization No. 24GA27996400

Project
DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title
OVERALL WOODLAND RETENTION AND PRESERVATION PLAN

Project No. 102054601
Date 7/24/2026
Drawn By MF
Checked By DB/JC
Drawing No. LD100

Project No. 102054601

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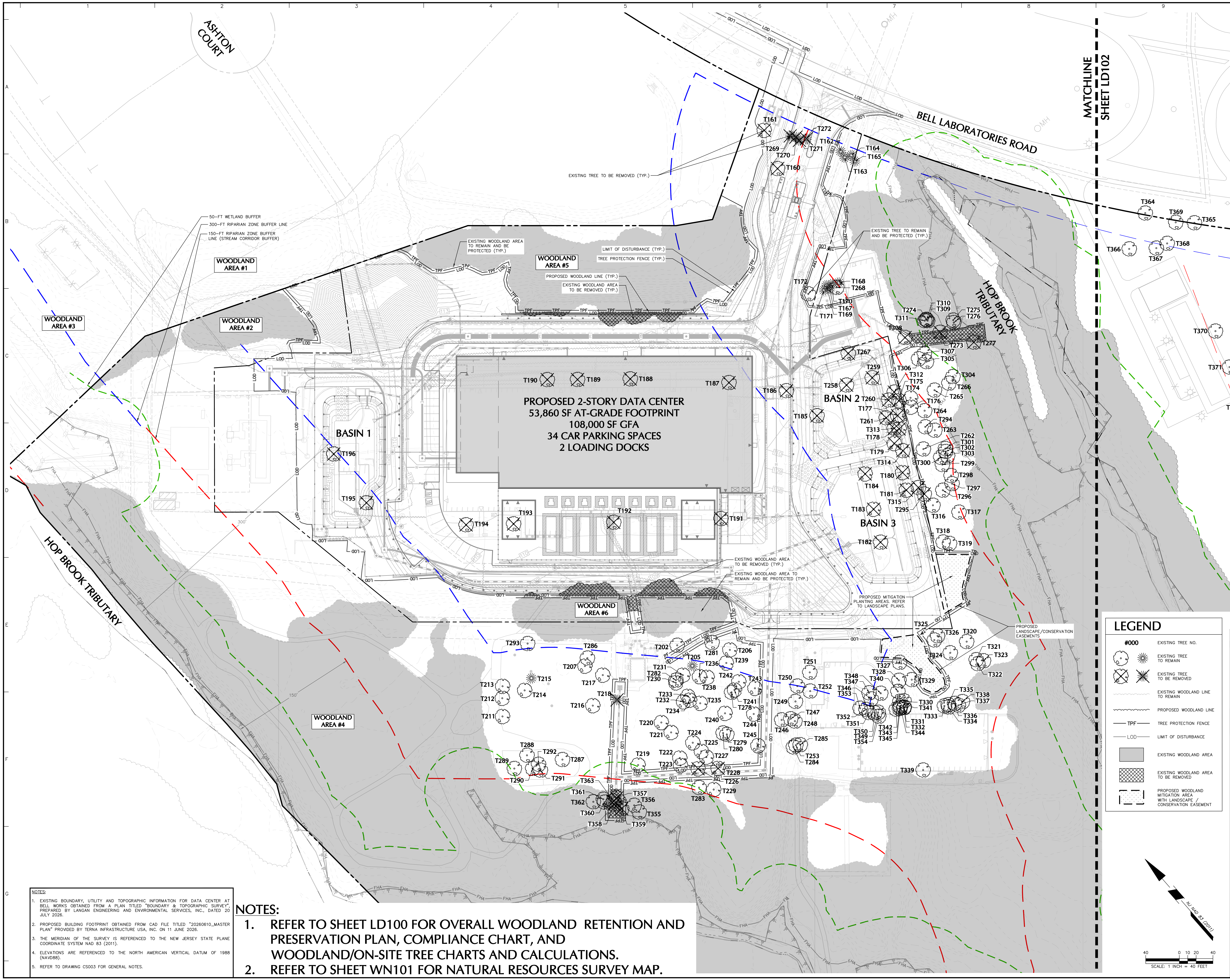
ASHTON COURT
BELL LABORATORIES ROAD
MATCHLINE SHEET LD102
HOP BROOK TRIBUTARY
HOP BROOK TRIBUTARY
WOODLAND AREA #1
WOODLAND AREA #2
WOODLAND AREA #3
WOODLAND AREA #4
WOODLAND AREA #5
WOODLAND AREA #6
50-FT WETLAND BUFFER
300-FT RIPARIAN ZONE BUFFER LINE
150-FT RIPARIAN ZONE BUFFER LINE (STREAM CORRIDOR BUFFER)
EXISTING TREE TO BE REMOVED (TYP.)
EXISTING WOODLAND AREA TO REMAIN AND BE PROTECTED (TYP.)
LIMIT OF DISTURBANCE (TYP.)
TREE PROTECTION FENCE (TYP.)
PROPOSED WOODLAND LINE (TYP.)
EXISTING WOODLAND AREA TO BE REMOVED (TYP.)
EXISTING TREE TO REMAIN AND BE PROTECTED (TYP.)
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
BASIN 1
BASIN 2
BASIN 3
EXISTING WOODLAND AREA TO BE REMOVED (TYP.)
EXISTING WOODLAND AREA TO REMAIN AND BE PROTECTED (TYP.)
PROPOSED MITIGATION PLANTING AREAS. REFER TO LANDSCAPE PLANS.
PROPOSED LANDSCAPE/CONSERVATION EASEMENTS
TPF
LOD
FHA
300'
150'
NJ NAD 83 (2011)
40
0
10
20
40
SCALE: 1 INCH = 40 FEET

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

NOTES:

1. REFER TO SHEET LD100 FOR OVERALL WOODLAND RETENTION AND PRESERVATION PLAN, COMPLIANCE CHART, AND WOODLAND/ON-SITE TREE CHARTS AND CALCULATIONS.
2. REFER TO SHEET WN101 FOR NATURAL RESOURCES SURVEY MAP.

LEGEND

#000	EXISTING TREE NO.
○ ✳	EXISTING TREE TO REMAIN
⊗ ✳	EXISTING TREE TO BE REMOVED
〰	EXISTING WOODLAND LINE TO REMAIN
〰	PROPOSED WOODLAND LINE
—TPF—	TREE PROTECTION FENCE
—LOD—	LIMIT OF DISTURBANCE
▭	EXISTING WOODLAND AREA
▨	EXISTING WOODLAND AREA TO BE REMOVED
⬚	PROPOSED WOODLAND MITIGATION AREA WITH LANDSCAPE / CONSERVATION EASEMENT

Date	Description	No.

Revisions

Signature Date
DANIEL BADGLEY
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700

LANGAN
Langan Engineering and
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Parsippany, NJ 07054

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

WOODLAND RETENTION AND PRESERVATION PLAN I

Project No.
102054601

Date
7/24/2026

Drawn By
MF

Checked By
DB/JC

Drawing No.
LD101

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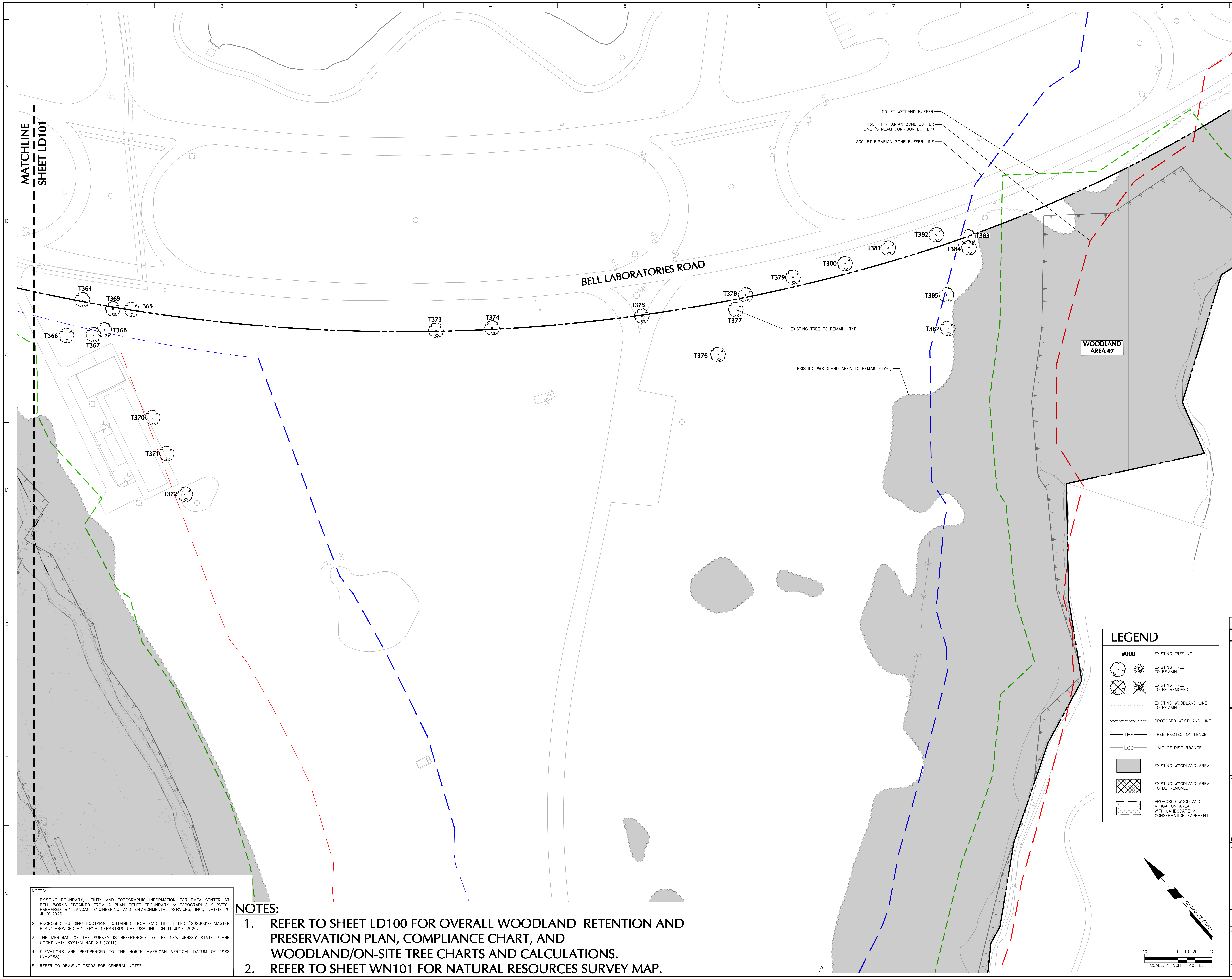
Project No. 102054601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MATCHLINE
SHEET LD101
BELL LABORATORIES ROAD
T364
T365
T366
T367
T368
T369
T370
T371
T372
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T374
T375
T376
T377
T378
T379
T380
T381
T382
T383
T384
T385
T387
EXISTING TREE TO REMAIN (TYP.)
EXISTING WOODLAND AREA TO REMAIN (TYP.)
50-FT WETLAND BUFFER
150-FT RIPARIAN ZONE BUFFER LINE (STREAM CORRIDOR BUFFER)
300-FT RIPARIAN ZONE BUFFER LINE
WOODLAND AREA #7
FHA
MATCHLINE
SHEET LD103
NJ NAD 83 (2011)
40 0 10 20 40
SCALE: 1 INCH = 40 FEET

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
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4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

NOTES:

1. REFER TO SHEET LD100 FOR OVERALL WOODLAND RETENTION AND PRESERVATION PLAN, COMPLIANCE CHART, AND WOODLAND/ON-SITE TREE CHARTS AND CALCULATIONS.
2. REFER TO SHEET WN101 FOR NATURAL RESOURCES SURVEY MAP.

LEGEND

#000	EXISTING TREE NO.
○ ✳	EXISTING TREE TO REMAIN
⊗ ✳	EXISTING TREE TO BE REMOVED
〰	EXISTING WOODLAND LINE TO REMAIN
〰	PROPOSED WOODLAND LINE
—TPF—	TREE PROTECTION FENCE
—LOD—	LIMIT OF DISTURBANCE
▩	EXISTING WOODLAND AREA
▨	EXISTING WOODLAND AREA TO BE REMOVED
⬚	PROPOSED WOODLAND MITIGATION AREA WITH LANDSCAPE / CONSERVATION EASEMENT

Date	Description	No.

Revisions

Signature DANIEL BADGLEY Date
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700

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Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

WOODLAND RETENTION AND PRESERVATION PLAN II

Project No. 102054601
Date 7/24/2026
Drawn By MF
Checked By DB/JC
Drawing No. LD102

LANGAN
Project No. 102054601

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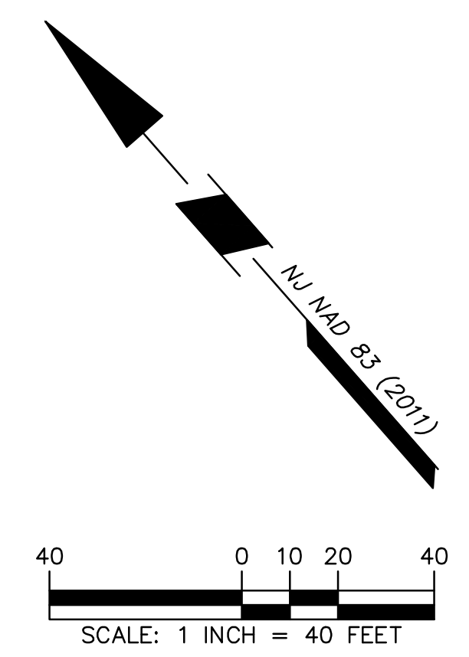
G
MATCHLINE SHEET LD102
WOODLAND AREA #9
WOODLAND AREA #10
WOODLAND AREA #8
BELL LABORATORIES ROAD
50–FT WETLAND BUFFER
150–FT RIPARIAN ZONE BUFFER LINE (STREAM CORRIDOR BUFFER)
300–FT RIPARIAN ZONE BUFFER LINE
EXISTING TREE TO REMAIN (TYP.)
EXISTING WOODLAND AREA TO REMAIN (TYP.)
T404
T405
T403
T406
T402
T407
T408
T399
T397
T400
T398
T401
T388
T389
T391
T390
T392
T395
T396
T394
T393

NOTES:

1. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR DATA CENTER AT BELL WORKS OBTAINED FROM A PLAN TITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED 20 JULY 2026.
2. PROPOSED BUILDING FOOTPRINT OBTAINED FROM CAD FILE TITLED "20260610_MASTER PLAN" PROVIDED BY TERNA INFRASTRUCTURE USA, INC. ON 11 JUNE 2026.
3. THE MERIDIAN OF THE SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 (2011).
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. REFER TO DRAWING CS003 FOR GENERAL NOTES.

NOTES:

1. REFER TO SHEET LD100 FOR OVERALL WOODLAND RETENTION AND PRESERVATION PLAN, COMPLIANCE CHART, AND WOODLAND/ON-SITE TREE CHARTS AND CALCULATIONS.
2. REFER TO SHEET WN101 FOR NATURAL RESOURCES SURVEY MAP.


NJ NAD 83 (2011)
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20
40
SCALE: 1 INCH = 40 FEET

Date	Description	No.

Revisions

Signature DANIEL BADGLEY Date
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700

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Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

WOODLAND RETENTION AND PRESERVATION PLAN III

Project No.	Drawing No.
102054601	LD103
Date 7/24/2026	
Drawn By MF	
Checked By DB/JC	

LANGAN

Project No. 102054601

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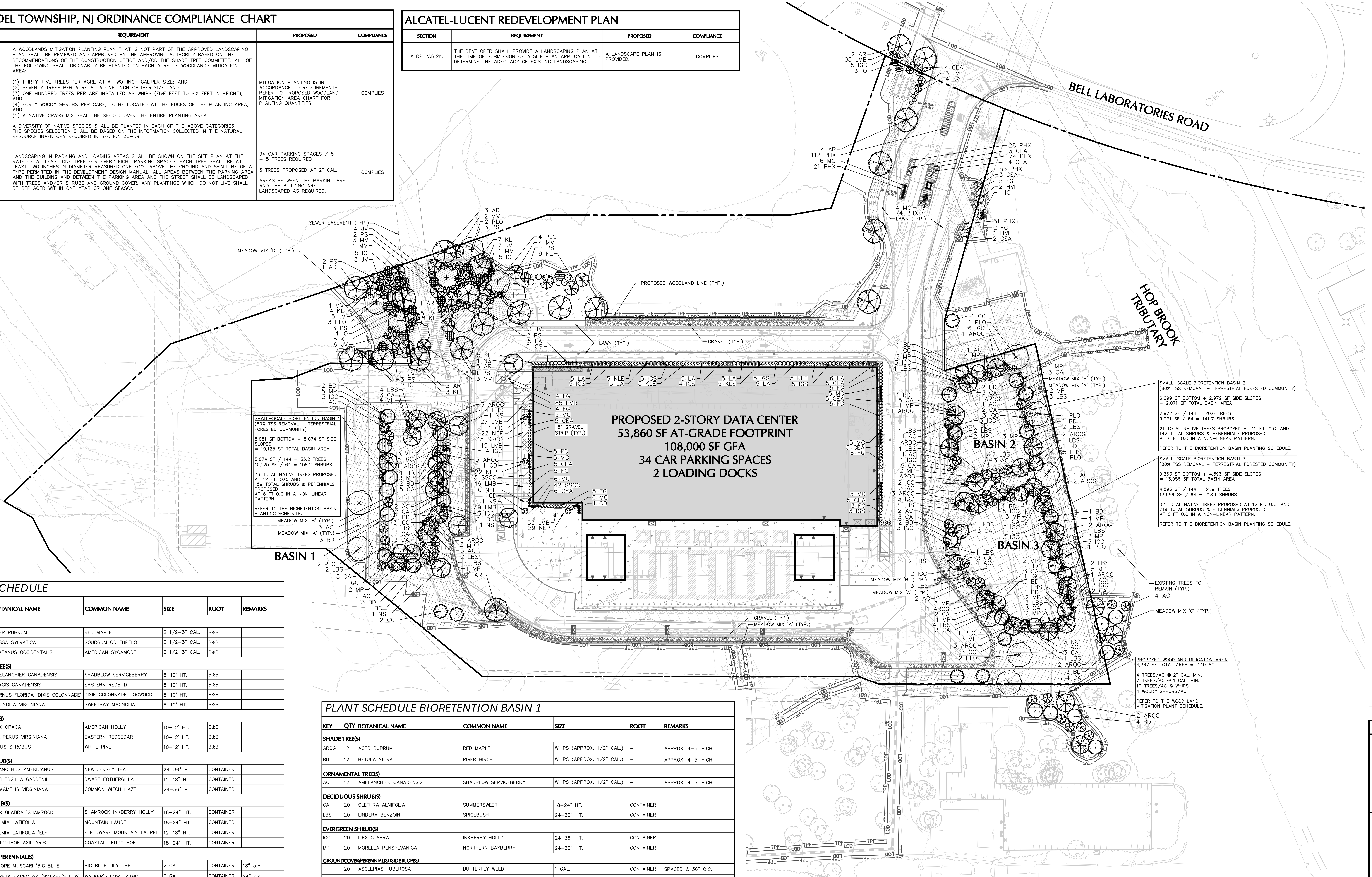
Date: 7/24/2026 Time: 00:55 User: mfong Style Table: Langan.stb Layout: LD103 Document Code: 102054601-0501-LD101-0102

HOLMDEL TOWNSHIP, NJ ORDINANCE COMPLIANCE CHART

SECTION	REQUIREMENT	PROPOSED	COMPLIANCE
§30–116.10. e.2.(b).	A WOODLANDS MITIGATION PLANTING PLAN THAT IS NOT PART OF THE APPROVED LANDSCAPING PLAN SHALL BE REVIEWED AND APPROVED BY THE APPROVING AUTHORITY BASED ON THE RECOMMENDATIONS OF THE CONSTRUCTION OFFICE AND/OR THE SHADE TREE COMMITTEE. ALL OF THE FOLLOWING SHALL ORDINARILY BE PLANTED ON EACH ACRE OF WOODLANDS MITIGATION AREA: (1) THIRTY–FIVE TREES PER ACRE AT A TWO–INCH CALIPER SIZE; AND (2) SEVENTY TREES PER ACRE AT A ONE–INCH CALIPER SIZE; AND (3) ONE HUNDRED TREES PER ARE INSTALLED AS WHIPS (FIVE FEET TO SIX FEET IN HEIGHT); AND (4) FORTY WOODY SHRUBS PER CARE, TO BE LOCATED AT THE EDGES OF THE PLANTING AREA; AND (5) A NATIVE GRASS MIX SHALL BE SEEDED OVER THE ENTIRE PLANTING AREA. A DIVERSITY OF NATIVE SPECIES SHALL BE PLANTED IN EACH OF THE ABOVE CATEGORIES. THE SPECIES SELECTION SHALL BE BASED ON THE INFORMATION COLLECTED IN THE NATURAL RESOURCE INVENTORY REQUIRED IN SECTION 30–59	MITIGATION PLANTING IS IN ACCORDANCE TO REQUIREMENTS. REFER TO PROPOSED WOODLAND MITIGATION AREA CHART FOR PLANTING QUANTITIES.	COMPLIES
§30–80.h.	LANDSCAPING IN PARKING AND LOADING AREAS SHALL BE SHOWN ON THE SITE PLAN AT THE RATE OF AT LEAST ONE TREE FOR EVERY EIGHT PARKING SPACES. EACH TREE SHALL BE AT LEAST TWO INCHES IN DIAMETER MEASURED ONE FOOT ABOVE THE GROUND AND SHALL BE OF A TYPE PERMITTED IN THE DEVELOPMENT DESIGN MANUAL. ALL AREAS BETWEEN THE PARKING AREA AND THE BUILDING AND BETWEEN THE PARKING AREA AND THE STREET SHALL BE LANDSCAPED WITH TREES AND/OR SHRUBS AND GROUND COVER. ANY PLANTINGS WHICH DO NOT LIVE SHALL BE REPLACED WITHIN ONE YEAR OR ONE SEASON.	34 CAR PARKING SPACES / 8 = 5 TREES REQUIRED 5 TREES PROPOSED AT 2" CAL. AREAS BETWEEN THE PARKING ARE AND THE BUILDING ARE LANDSCAPED AS REQUIRED.	COMPLIES

ALCATEL-LUCENT REDEVELOPMENT PLAN

SECTION	REQUIREMENT	PROPOSED	COMPLIANCE
ALRP, V.B.2h.	THE DEVELOPER SHALL PROVIDE A LANDSCAPING PLAN AT THE TIME OF SUBMISSION OF A SITE PLAN APPLICATION TO DETERMINE THE ADEQUACY OF EXISTING LANDSCAPING.	A LANDSCAPE PLAN IS PROVIDED.	COMPLIES


BELL LABORATORIES ROAD
HOP BROOK TRIBUTARY
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
BASIN 1
BASIN 2
BASIN 3
SEWER EASEMENT (TYP.)
MEADOW MIX 'D' (TYP.)
PROPOSED WOODLAND LINE (TYP.)
LAWN (TYP.)
GRAVEL (TYP.)
18" GRAVEL STRIP (TYP.)
MEADOW MIX 'B' (TYP.)
MEADOW MIX 'A' (TYP.)
MEADOW MIX 'C' (TYP.)
EXISTING TREES TO REMAIN (TYP.)
LOD
TPF
2 AR
105 LMB
5 IGS
3 IO
4 CEA
3 JV
4 IGS
4 AR
112 PHX
6 MC
21 PHX
28 PHX
3 CEA
74 PHX
4 CEA
55 PHX
3 CEA
5 FG
2 HVI
1 IO
4 MC
74 PHX
LAWN (TYP.)
51 PHX
2 FG
1 HVI
2 CEA
3 AR
2 MV
2 PLO
3 PS
4 JV
2 PS
3 MV
1 MV
5 IO
3 JV
4 PLO
4 MV
2 PS
9 KL
7 KL
7 JV
1 MV
5 IO
2 PS
1 AR
5 KLE
1 NS
5 AR
4 PS
3 MV
3 JV
2 PS
5 LA
5 IGS
1 JV
3 PS
1 IO
3 AR
3 KL
2 BD
5 MP
3 IGC
2 AC
4 LBS
3 CA
4 MP
4 FG
85 LMB
4 FG
5 MC
5 CEA
3 AROG
4 LBS
1 NS
27 LMB
1 CD
22 NEP
45 SSCO
45 LMB
4 IGC
5 FG
5 MC
5 CEA
5 FG
6 MC
42 SSCO
6 CEA
46 LMB
20 NEP
59 LMB
53 LMB
29 NEP
5 FG
6 MC
3 CEA
5 LA
5 IGS
5 KLE
5 KLE
4 IGS
6 LA
5 CEA
5 FG
5 MC
5 CEA
6 FG
3 IGS
3 AC
3 BD
2 PLO
2 LBS
5 CA
2 IGC
2 MP
2 AC
3 BD
1 LBS
1 NS
2 CC
1 CC
1 PLO
6 IGC
1 AROG
1 AC
4 MP
1 BD
1 CC
3 MP
3 IGC
1 LBS
3 CA
2 MP
3 LBS
1 PLO
1 BD
2 AROG
1 LBS
5 BD
5 LBS
1 AC
2 AROG
1 BD
4 MP
2 AROG
1 LBS
3 LBS
1 IGC
1 PLO
2 LBS
5 MP
1 AROG
1 AC
4 AC
3 IGC
4 AC
3 CA
1 LBS
2 AROG
3 BD
4 CA
2 AROG
4 BD
GRAVEL (TYP.)
MEADOW MIX 'A' (TYP.)
NJ NAD 83 (2011)
40 0 10 20 40
SCALE: 1 INCH = 40 FEET

SMALL–SCALE BIORETENTION BASIN 1
(80% TSS REMOVAL – TERRESTRIAL FORESTED COMMUNITY)

5,051 SF BOTTOM + 5,074 SF SIDE SLOPES
= 10,125 SF TOTAL BASIN AREA

5,074 SF / 144 = 35.2 TREES
10,125 SF / 64 = 158.2 SHRUBS

36 TOTAL NATIVE TREES PROPOSED AT 12 FT. O.C. AND 159 TOTAL SHRUBS & PERENNIALS PROPOSED AT 8 FT O.C IN A NON–LINEAR PATTERN.

REFER TO THE BIORETENTION BASIN PLANTING SCHEDULE.

SMALL–SCALE BIORETENTION BASIN 2
(80% TSS REMOVAL – TERRESTRIAL FORESTED COMMUNITY)

6,099 SF BOTTOM + 2,972 SF SIDE SLOPES
= 9,071 SF TOTAL BASIN AREA

2,972 SF / 144 = 20.6 TREES
9,071 SF / 64 = 141.7 SHRUBS

21 TOTAL NATIVE TREES PROPOSED AT 12 FT. O.C. AND 142 TOTAL SHRUBS & PERENNIALS PROPOSED AT 8 FT O.C IN A NON–LINEAR PATTERN.

REFER TO THE BIORETENTION BASIN PLANTING SCHEDULE.

SMALL–SCALE BIORETENTION BASIN 3
(80% TSS REMOVAL – TERRESTRIAL FORESTED COMMUNITY)

9,363 SF BOTTOM + 4,593 SF SIDE SLOPES
= 13,956 SF TOTAL BASIN AREA

4,593 SF / 144 = 31.9 TREES
13,956 SF / 64 = 218.1 SHRUBS

32 TOTAL NATIVE TREES PROPOSED AT 12 FT. O.C. AND 219 TOTAL SHRUBS & PERENNIALS PROPOSED AT 8 FT O.C IN A NON–LINEAR PATTERN.

REFER TO THE BIORETENTION BASIN PLANTING SCHEDULE.

PROPOSED WOODLAND MITIGATION AREA
4,367 SF TOTAL AREA = 0.10 AC

4 TREES/AC @ 2" CAL. MIN.
7 TREES/AC @ 1 CAL. MIN.
10 TREES/AC @ WHIPS.
4 WOODY SHRUBS/AC.

REFER TO THE WOOD LAND MITIGATION PLANT SCHEDULE.

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AR	19	ACER RUBRUM	RED MAPLE	2 1/2–3" CAL.	B&B	
NS	5	NYSSA SYLVATICA	SOURGUM OR TUPELO	2 1/2–3" CAL.	B&B	
PLO	20	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2–3" CAL.	B&B	
ORNAMENTAL TREE(S)						
AC	30	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	8–10' HT.	B&B	
CC	11	CERCIS CANADENSIS	EASTERN REDBUD	8–10' HT.	B&B	
CD	4	CORNUS FLORIDA 'DIXIE COLONNADE'	DIXIE COLONNADE DOGWOOD	8–10' HT.	B&B	
MV	15	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	8–10' HT.	B&B	
EVERGREEN TREE(S)						
IO	20	ILEX OPACA	AMERICAN HOLLY	10–12' HT.	B&B	
JV	37	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	10–12' HT.	B&B	
PS	18	PINUS STROBUS	WHITE PINE	10–12' HT.	B&B	
DECIDUOUS SHRUB(S)						
CEA	52	CEANOTHUS AMERICANUS	NEW JERSEY TEA	24–36" HT.	CONTAINER	
FG	52	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	12–18" HT.	CONTAINER	
HVI	3	HAMAMELIS VIRGINIANA	COMMON WITCH HAZEL	24–36" HT.	CONTAINER	
EVERGREEN SHRUB(S)						
IGS	38	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	18–24" HT.	CONTAINER	
KL	36	KALMIA LATIFOLIA	MOUNTAIN LAUREL	18–24" HT.	CONTAINER	
KLE	25	KALMIA LATIFOLIA 'ELF'	ELF DWARF MOUNTAIN LAUREL	12–18" HT.	CONTAINER	
LA	36	LEUCOTHOE AXILLARIS	COASTAL LEUCOTHOE	18–24" HT.	CONTAINER	
GROUNDCOVER/PERENNIAL(S)						
LMB	425	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	2 GAL.	CONTAINER	18" o.c.
NEP	93	NEPETA RACEMOSA 'WALKER'S LOW'	WALKER'S LOW CATMINT	2 GAL.	CONTAINER	24" o.c.
PHX	419	PHLOX SUBULATA	CREEPING PHLOX	2 GAL.	CONTAINER	18" o.c.
ORNAMENTAL GRASS(ES)						
MC	47	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	2 GAL.	CONTAINER	
SSCO	132	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	2 GAL.	CONTAINER	18" o.c.

NOTE:
1. IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.
2. THIS PLANT SCHEDULE DOES NOT INCLUDE PLANT QUANTITIES FOR BIORETENTION BASINS 1, 2, AND 3, AND PROPOSED WOODLAND MITIGATION AREA. REFER TO THE RESPECTIVE PLANT SCHEDULES FOR PLANT QUANTITIES AND SIZE.

PLANT SCHEDULE WOODLAND MITIGATION AREA

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AROG	4	ACER RUBRUM	RED MAPLE	2" CAL. MIN.	B&B	
BD	7	BETULA NIGRA	RIVER BIRCH	1" CAL. MIN.	B&B	
ORNAMENTAL TREE(S)						
AC	10	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	WHIPS (APPROX. 1/2" CAL.)	B&B	APPROX. 4–5' HIGH
DECIDUOUS SHRUB(S)						
CA	4	CLETHRA ALNIFOLIA	SUMMERSWEET	18–24" HT.	CONTAINER	

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

NOTE: REFER TO SHEET LP501 FOR LANDSCAPE NOTES & DETAILS

PLANT SCHEDULE BIORETENTION BASIN 1

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AROG	12	ACER RUBRUM	RED MAPLE	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
BD	12	BETULA NIGRA	RIVER BIRCH	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
ORNAMENTAL TREE(S)						
AC	12	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
DECIDUOUS SHRUB(S)						
CA	20	CLETHRA ALNIFOLIA	SUMMERSWEET	18–24" HT.	CONTAINER	
LBS	20	LINDERA BENZOIN	SPICEBUSH	24–36" HT.	CONTAINER	
EVERGREEN SHRUB(S)						
IGC	20	ILEX GLABRA	INKBERRY HOLLY	24–36" HT.	CONTAINER	
MP	20	MORELLA PENSYLVANICA	NORTHERN BAYBERRY	24–36" HT.	CONTAINER	
GROUNDCOVER/PERENNIAL(S) (SIDE SLOPES)						
–	20	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1 GAL.	CONTAINER	SPACED @ 36" O.C.
–	20	COREOPSIS VERTICILLATA	COREOPSIS	2 GAL.	CONTAINER	SPACED @ 36" O.C.
–	20	ECHINACEA PURPUREA	PURPLE CONEFLOWER	2 GAL.	CONTAINER	SPACED @ 36" O.C.
–	19	IRIS VERSICOLOR	BLUE FLAG IRIS	2 GAL.	CONTAINER	SPACED @ 36" O.C.

PLANT SCHEDULE BIORETENTION BASIN 2

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AROG	7	ACER RUBRUM	RED MAPLE	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
BD	7	BETULA NIGRA	RIVER BIRCH	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
ORNAMENTAL TREE(S)						
AC	7	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
DECIDUOUS SHRUB(S)						
CA	18	CLETHRA ALNIFOLIA	SUMMERSWEET	18–24" HT.	CONTAINER	
LBS	18	LINDERA BENZOIN	SPICEBUSH	24–36" HT.	CONTAINER	
EVERGREEN SHRUB(S)						
IGC	18	ILEX GLABRA	INKBERRY HOLLY	24–36" HT.	CONTAINER	
MP	18	MORELLA PENSYLVANICA	NORTHERN BAYBERRY	24–36" HT.	CONTAINER	
GROUNDCOVER/PERENNIAL(S) (SIDE SLOPES)						
–	18	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1 GAL.	CONTAINER	SPACED @ 36" O.C.
–	18	COREOPSIS VERTICILLATA	COREOPSIS	2 GAL.	CONTAINER	SPACED @ 36" O.C.
–	17	ECHINACEA PURPUREA	PURPLE CONEFLOWER	2 GAL.	CONTAINER	SPACED @ 36" O.C.
–	17	IRIS VERSICOLOR	BLUE FLAG IRIS	2 GAL.	CONTAINER	SPACED @ 36" O.C.

PLANT SCHEDULE BIORETENTION BASIN 3

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AROG	12	ACER RUBRUM	RED MAPLE	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
BD	10	BETULA NIGRA	RIVER BIRCH	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
ORNAMENTAL TREE(S)						
AC	12	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	WHIPS (APPROX. 1/2" CAL.)	–	APPROX. 4–5' HIGH
DECIDUOUS SHRUB(S)						
CA	28	CLETHRA ALNIFOLIA	SUMMERSWEET	18–24" HT.	CONTAINER	
LBS	28	LINDERA BENZOIN	SPICEBUSH	24–36" HT.	CONTAINER	
EVERGREEN SHRUB(S)						
IGC	28	ILEX GLABRA	INKBERRY HOLLY	24–36" HT.	CONTAINER	
MP	27	MORELLA PENSYLVANICA	NORTHERN BAYBERRY	24–36" HT.	CONTAINER	
GROUNDCOVER/PERENNIAL(S) (SIDE SLOPES)						
–	27	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1 GAL.	CONTAINER	SPACED @ 36" O.C.
–	27	COREOPSIS VERTICILLATA	COREOPSIS	2 GAL.	CONTAINER	SPACED @ 36" O.C.
–	27	ECHINACEA PURPUREA	PURPLE CONEFLOWER	2 GAL.	CONTAINER	SPACED @ 36" O.C.
–	27	IRIS VERSICOLOR	BLUE FLAG IRIS	2 GAL.	CONTAINER	SPACED @ 36" O.C.

Date	Description	No.

Revisions

Signature DANIEL BADGLEY Date
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

LANDSCAPE PLAN

Project No.
102054601
Date
7/24/2026
Drawn By
LCZ
Checked By
DB/MF
Drawing No.
LP101

Project No. 102054601

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GENERAL LANDSCAPE PLANTING NOTES

1. NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFORM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE.

2. STANDARDS FOR TYPE, SPREAD, HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, VIGOROUS, AND FREE FROM DISEASES AND INSECT INFESTATION.

3. NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE SET PLUMB AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIFIED AS THE SAME SIZE SHOULD BE SIMILAR IN SHAPE, COLOR AND HABIT. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO THE TYPICAL OR SPECIFIED HABIT OF THAT SPECIES. ALL TREES SHALL HAVE A STRAIGHT TRUNK AND FULL HEAD AND MEET ALL REQUIREMENTS SPECIFIED. ANY TREE THAT LOSES THE MAIN LEADER SHALL BE REPLACED.

4. THE BACKFILL MIXTURE AND SOIL MIXES TO BE INSTALLED PER THE SPECIFICATIONS.

5. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND SUBGRADE DRAINAGE OR PERCOLATION CHARACTERISTICS, WHETHER THE SUBGRADE SOILS ARE EXISTING TO REMAIN OR IMPORTED AND PLACED. CONTRACTOR TO ENSURE POSITIVE VERTICAL DRAINAGE THROUGHOUT PLANTED AREAS. DISCREPANCIES SHALL BE ADDRESSED WITH THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PURCHASING PLANT MATERIALS.

6. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE FINISH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR PROJECT ENGINEER.

7. ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL 1 – JUNE 15 OR SEPT 1 – NOVEMBER 1, UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. SEE LAWN SEEDING DATES IN SEEDING NOTES.

8. ALL FENCE AND GUIDE RAIL INSTALLATIONS SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY LANDSCAPE PLANTING, LAWN AND GRASSES, OR IRRIGATION WORK.

9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY AND SEWER LINES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF CONSTRUCTION. NOTIFY THE PROJECT ENGINEER AND OWNER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED PLANTING LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.

10. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.

11. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS. IF THE SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, THE CONTRACTOR SHALL SUBMIT PROOF OF NON–AVAILABILITY TO THE LANDSCAPE ARCHITECT AND OWNER, TOGETHER WITH A WRITTEN PROPOSAL FOR USE OF AN EQUIVALENT MATERIAL.

12. LANDSCAPE CONTRACTOR TO STAKE OUT PLANTING LOCATIONS, FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND/OR OWNER BEFORE PLANTING WORK BEGINS. THE LANDSCAPE ARCHITECT AND/OR OWNER SHALL DIRECT THE CONTRACTOR IN THE FINAL PLACEMENT OF ALL PLANT MATERIAL AND LOCATION OF PLANTING BEDS TO ENSURE COMPLIANCE WITH DESIGN INTENT UNLESS OTHERWISE INSTRUCTED.

13. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION. THE LANDSCAPE ARCHITECT MAY REVIEW PLANT MATERIALS AT THE SITE FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. THE LANDSCAPE ARCHITECT RETAINS THE RIGHT TO FURTHER REVIEW PLANT MATERIALS FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEM, INSECTS, INJURIES, AND LATENT DEFECTS, AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. THE CONTRACTOR SHALL REMOVE REJECTED PLANT MATERIALS IMMEDIATELY FROM PROJECT SITE AS DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER.

14. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, MISSING, 25% OR MORE DEAD, WHICH DO NOT DEVELOP FROM PLANTING STOCK, THAT APPEAR UNHEALTHY OR UNSIGHTLY AND/OR HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES DEAD, OR REJECTED FOR ANY OTHER REASON (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.

16. DELIVERY, STORAGE, AND HANDLING:

    A. PACKAGED MATERIALS: PACKAGED MATERIALS SHALL BE DELIVERED IN CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. MATERIALS SHALL BE PROTECTED FROM DETERIORATION DURING DELIVERY, AND WHILE STORED AT SITE.

    B. TREES AND SHRUBS: THE CONTRACTOR SHALL PROVIDE TREES AND SHRUBS DUG FOR THE GROWING SEASON FOR WHICH THEY WILL BE PLANTED. DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. DO NOT BEND OR BIND–TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES, OR DESTROY NATURAL SHAPE. PROVIDE PROTECTIVE COVERING DURING TRANSIT. DO NOT DROP BALLED AND BURLAPPED STOCK DURING DELIVERY OR HANDLING.

    C. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOTBALL WRAPPING AND BINDING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED FROM THE TOP OF THE BALL AT THE TIME OF PLANTING. IF THE PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, THE WIRE BASKET SHALL BE CUT AND FOLDED DOWN 8 INCHES INTO THE PLANTING HOLE. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE ROOT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO LOCATIONS.

    D. THE CONTRACTOR SHALL HAVE TREES AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE AND KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.

17. ALL LANDSCAPED AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FINE GRADED AREAS SHOULD BE HAND RAKED SMOOTH ELIMINATING ANY CLUMPS AND UNEVEN SURFACES PRIOR TO PLANTING OR MULCHING.

18. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS, NOTES AND CONTRACT SPECIFICATIONS. THE LANDSCAPE ARCHITECT MAY REVIEW INSTALLATION AND MAINTENANCE PROCEDURES.

19. CONTRACTOR'S GUARANTEE: ALL PLANTINGS AND PLANTING AREAS SHALL BE PERMANENTLY MAINTAINED. NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF TWO YEARS FOLLOWING ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, PRUNING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE DURATION OF THE GUARANTEED PERIOD. PLANT MATERIAL FOUND TO BE UNHEALTHY, DYING OR DEAD DURING THIS PERIOD, SHALL BE REMOVED AND REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

20. THE CONTRACTOR SHALL KEEP AREA CLEAN DURING DELIVERY AND INSTALLATION OF PLANT MATERIALS. REMOVE AND DISPOSE OF OFF–SITE ANY ACCUMULATED DEBRIS OR UNUSED MATERIALS. REPAIR DAMAGE TO ADJACENT AREAS CAUSED BY LANDSCAPE INSTALLATION OPERATIONS.

21. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24– HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY SITE AND WEATHER CONDITIONS TO MAINTAIN VIGOROUS AND HEALTHY PLANT GROWTH. CONTRACTOR SHALL CONFIRM WATER SOURCE WITH OWNER PRIOR TO BID AND INCLUDE ALTERNATE MEANS OF WATERING IF NECESSARY.

22. ON–SITE WATER SHALL BE FURNISHED BY THE CONTRACTOR. HOSE AND OTHER WATERING EQUIPMENT SHALL BE FURNISHED BY THE CONTRACTOR.

23. AFTER PLANT IS PLACED IN TREE PIT LOCATION, ALL TWINE HOLDING ROOT BALL TOGETHER SHOULD BE COMPLETELY REMOVED AND THE BURLAP SHOULD BE PULLED DOWN SO 1/3 OF THE ROOT BALL IS EXPOSED. SYNTHETIC BURLAP SHOULD BE COMPLETELY REMOVED AFTER INSTALLATION.

24. TREES MAY BE STAKED AT THE LANDSCAPE CONTRACTOR'S DISCRETION, IF REQUIRED BY ORDINANCE, IF LOCATED ON A SLOPE 3:1 OR GREATER, OR IF THE SITE IS LOCATED IN A HIGH WIND ZONE. CURRENT HORTICULTURAL PRACTICE DOES NOT RECOMMEND STAKING TREES EXCEPT IN CONDITIONS WHERE TREES ARE SUBJECT TO BLOW DOWNS DUE TO SOIL CONDITIONS, HEAVY PREVAILING WINDS, OR A HIGH RATIO OF TOP GROWTH TO ROOT BALL. IF STAKING IS DEEMED NECESSARY BY CONTRACTOR, STAKE AND GUYS SHOULD BE LOCATED AND FLAGGED IN A MANNER TO PREVENT TRIPPING HAZARDS. WIRES OR GUYS SHALL BE LOCATED AND COVERED SO AS NOT TO PULL OR DAMAGE BRANCHES AND SHALL BE REMOVED AT THE END OF THE GUARANTEE PERIOD.

25. ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE, AND THAT ARE NOT COVERED BY LANDSCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE COVERED BY A NATURAL MULCH FROM A LOCAL SOURCE HARVESTED IN A SUSTAINABLE MANNER THAT WILL PREVENT SOIL EROSION AND THE EMANATION OF DUST. MULCH SHALL BE A FIBROUS SHREDDED HARDWOOD MULCH. MULCH SHOULD NOT BE PILED UP AROUND THE TRUNK OF ANY PLANT MATERIAL. NO MULCH OR TOPSOIL SHOULD BE TOUCHING THE BASE OF THE TRUNK ABOVE THE ROOT COLLAR.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. FOR ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND PLANTING PLAN THE GRAPHIC QUANTITY SHOWN SHALL GOVERN.

27. LANDSCAPE PUNCH LIST SITE VISITS TO BE PERFORMED BY THE PROJECT LANDSCAPE ARCHITECT, IF UNDER CONTRACT FOR SUCH WORK, WILL NOT BE SCHEDULED UNTIL CONFIRMATION IS RECEIVED THAT ALL PROPOSED LANDSCAPE ITEMS HAVE BEEN INSTALLED, OR DEFICIENCIES NOTED IN THE PRIOR PUNCH LIST REPORT HAVE BEEN CORRECTED. THE PUNCH LIST SITE VISIT WILL THEN BE PERFORMED WITHIN 10 BUSINESS DAYS.

28. CONTRACTOR SHALL ASSESS THE NEED FOR DEER PROTECTION ON SITE. IF DEEMED NECESSARY, SHADE AND ORNAMENTAL TREES SHALL BE PROTECTED THROUGH WINTER WITH SPIRAL WRAP TREE GUARDS, OR APPROVED EQUAL. PROTECTION LENGTH TO BE FROM BELOW THE LOWEST BRANCH AND DOWN TO WITHIN A FEW INCHES OF THE GROUND. THE GUARDS CAN BE REMOVED IN SPRING AND SAVED FOR RE–INSTALLATION DURING FOLLOWING WINTERS AS PART OF A MAINTENANCE PROGRAM.

29. ALL SLOPES 3:1 OR GREATER AND ALL SIDE SLOPES OF BASINS SHALL REQUIRE AN EROSION CONTROL BLANKET: ERONET SC150 BY NORTH AMERICAN GREEN, OR APPROVED EQUAL.

LAWN SEED MIX

1. PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 1/2" DIAMETER.

2. PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.

3. SEEDING RATE AT 220 POUNDS PER ACRE:

    10% DEEPBLUE KENTUCKY BLUEGRASS
    25% DAKOTA TALL FESCUE
    25% TAOS TALL FESCUE
    40% FRONTIER PERENNIAL RYEGRASS

4. SEEDING DATES FOR THIS MIXTURE SHALL BE BETWEEN MARCH 15TH TO MAY 15TH OR SEPT 1ST TO OCTOBER 30TH.

5. GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL A STAND OF COVER IS ESTABLISHED AND FOUND ACCEPTABLE TO THE OWNER. SEE LAWN WATERING SCHEDULE NOTES.

LANDSCAPE MAINTENANCE NOTES

1. MAINTENANCE OPERATIONS BEFORE APPROVAL:

    A. PLANT CARE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS SATISFACTORILY INSTALLED AND SHALL CONTINUE THROUGHOUT THE LIFE OF THE CONTRACT UNTIL FINAL ACCEPTANCE OF THE PROJECT.

    B. CARE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR OTHER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GUYS AS ORIGINALLY INSTALLED, WATERING WHEN NEEDED OR DIRECTED, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.

    C. CONTRACTOR SHALL REMOVE AND REPLACE ALL DEAD, DEFECTIVE AND/OR REJECTED PLANTS AS REQUIRED BEFORE FINAL ACCEPTANCE.

2. MAINTENANCE DURING CONSTRUCTION:

    A. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING. PLANTS SHALL BE WATERED, MULCHED, WEEDED, PRUNED, SPRAYED, FERTILIZED, CULTIVATED, AND OTHERWISE MAINTAINED AND PROTECTED UNTIL PROVISIONAL ACCEPTANCE. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE AND POSITION, PLANTING SAUCER RESTORED AND DEAD MATERIAL REMOVED. STAKES AND WIRES SHALL BE TIGHTENED AND REPAIRED. DEFECTIVE WORK SHALL BE CORRECTED AS SOON AS POSSIBLE AFTER IT BECOMES APPARENT AND WEATHER AND SEASON PERMIT.

    B. IF A SUBSTANTIAL NUMBER OF PLANTS ARE SICKLY OR DEAD AT THE TIME OF INSPECTION, ACCEPTANCE SHALL NOT BE GRANTED AND THE CONTRACTOR'S RESPONSIBILITY FOR MAINTENANCE OF ALL PLANTS SHALL BE EXTENDED FROM THE TIME REPLACEMENTS ARE MADE OR EXISTING PLANTS ARE DEEMED ACCEPTABLE BY THE LANDSCAPE ARCHITECT.

    C. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE SPECIFIED ON THE PLANT LIST OR THAT WHICH WAS TO REMAIN OR BE RELOCATED. THEY SHALL BE FURNISHED AND PLANTED AS SPECIFIED. THE COST SHALL BE BORNE BY THE CONTRACTOR. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER.

    D. PLANTS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER INSPECTION AND PROVISIONAL ACCEPTANCE.

    E. AT THE END OF THE ESTABLISHMENT PERIOD, INSPECTION SHALL BE MADE AGAIN. ANY PLANT REQUIRED UNDER THIS CONTRACT THAT IS DEAD OR UNSATISFACTORY TO THE LANDSCAPE ARCHITECT OR OWNER SHALL BE REMOVED FROM THE SITE AND REPLACED DURING THE NORMAL PLANTING SEASON.

3. LAWN MAINTENANCE:

    A. BEGIN MAINTENANCE IMMEDIATELY AFTER EACH PORTION OF LAWN IS PLANTED AND CONTINUE FOR 8 WEEKS AFTER ALL LAWN PLANTING IS COMPLETED.

    B. WATER TO KEEP SURFACE SOIL MOIST, REPAIR WASHED OUT AREAS BY FILLING WITH TOPSOIL, LIMING, FERTILIZING AND RE–SEEDING; MOW TO 2 1/2 – 3 INCHES AFTER GRASS REACHES 3 1/2 INCHES IN HEIGHT, AND MOW FREQUENTLY ENOUGH TO KEEP GRASS FROM EXCEEDING 3 1/2 INCHES. WEED BY LOCAL SPOT APPLICATION OF SELECTIVE HERBICIDE ONLY AFTER GRASS IS WELL–ESTABLISHED.

MEADOW SEED MIX:

MEADOW SEED MIX A ERNST SEED MIX ERNMX–156 "LOW–GROWING WILDFLOWER/GRASS MIX"

MEADOW SEED MIX B ERNST SEED MIX ERNMX–127 "RETENTION BASIN WILDLIFE MIX"

MEADIW SEED MIX C ERNST SEED MIX ERNMX–177 "EASTERN ECOTYPE NATIVE GRASS MIX"

MEADIW SEED MIX D ERNST SEED MIX ERNMX–181 "NATIVE STEEP SLOPE MIX W/ANNUAL RYEGRASS"

GENERAL SEEDING NOTES:

1. APPLY SEED AT THE RATES RECOMMENDED BY THE SEED SUPPLIER.
2. SEED WITH NURSE CROP(S) SPECIES AS RECOMMENDED BY THE SEED SUPPLIER FOR THE INTENDED USE, USDA ZONE, AND SEEDING DATES.
3. FINAL SEED MIXTURES, RATES & SPECIES TO BE DETERMINED BASED ON SCD REVIEW.
4. MIX FORMULATIONS ARE SUBJECT TO CHANGE BY THE SEED SUPPLIERS WITHOUT NOTICE DEPENDING ON THE AVAILABILITY OF EXISTING AND NEW PRODUCTS. ANY REVISIONS TO THE MIX WILL NOT CHANGE ITS INTENDED PURPOSE OR PERFORMANCE.
5. SEEDING SHALL TAKE PLACE IN THE SPRING (APRIL 1 TO JUNE 1) OR THE FALL (SEPTEMBER 1 TO OCTOBER 1).
6. ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A BROAD–SPECTRUM NON–SELECTIVE HERBICIDE PER MANUFACTURER'S SPECIFICATIONS.
7. IT IS RECOMMENDED THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO–TILL TRUAX–TYPE DRILL WHERE APPLICABLE.
8. MULCHING/TACKING IS REQUIRED ON ALL SEEDING IN ACCORDANCE WITH THE STANDARDS. AN EROSION CONTROL BLANKET WITH A MINIMUM 12–MONTH DEGRADABLE LIFE SPAN MAY BE USED IN LIEU OF STANDARD MULCHING/TACKING. PERMANENT BLANKETS WILL NOT BE ACCEPTED UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL USE ANIMAL CONTROL MEASURES AS NECESSARY FOR BASIN SEEDING, INCLUDINGBUT NOT LIMITED TO GOOSE NETTING, TO PROTECT PLANTS DURING ESTABLISHMENT.
10. CONTINUOUS MOISTURE FOR 4–6 WEEKS MUST BE INSURED TO ALLOW PROPER GERMINATION. SOIL WILL REMAIN CONTINUOUSLY MOIST FOR THE TOP 4 INCHES OF TOPSOIL. DO NOT SATURATE OR WATER TO THE POINT OF RUNOFF OR THE DISPLACEMENT OF SEED.
11. DEPENDING ON SOIL TEMPERATURES, IT MAY TAKE SEVERAL WEEKS FOR GERMINATION TO OCCUR. DIFFERENT SPECIES WITHIN THE MIX GERMINATE AT DIFFERENT TIMES AND THEREFORE CONTRACTOR SHOULD CONTINUE THE LIGHT WATERING, AS DESCRIBED ABOVE, UNTIL THERE IS AT LEAST 2 INCHES OF GROWTH THROUGHOUT.
12. AT THIS POINT, WATERING FREQUENCY MAY BE REDUCED TO EVERY 3 TO 5 DAYS. WATER SHALL BE APPLIED TO WET A 6 INCH MINIMUM SOIL DEPTH TO PROMOTE HEALTHY DEEP ROOTS.

WEED CONTROL / MAINTENANCE

1. DURING THE ESTABLISHMENT YEAR, CONTRACTOR SHALL MOW SEEDING IF WEED HEIGHT EXCEEDS MEADOW MIX HEIGHT. MOW AT A HEIGHT OF 8"–10". DO NOT MOW CLOSE, AS SOME OF THE MEADOW MIX MAY BE DAMAGED.

2. AFTER THE FIRST GROWING SEASON, AND IF MEADOW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL BE MOWED ONLY ONCE ANNUALLY. ANNUAL MAINTENANCE MOWING SHALL BE DONE IN LATE WINTER DURING THE MONTH OF MARCH.

3. MOW IN WETLAND AND WETLAND TRANSITION AREAS DURING DRIER SITE CONDITIONS WHEN SOIL DISTURBANCE WILL NOT OCCUR. MAINTENANCE FOR WETLAND AND WETLAND TRANSITION AREAS SHALL OCCUR DURING LATE SUMMER (JULY 15 – AUGUST 15) WHEN THE WATER TABLE IS USUALLY AT ITS LOWEST POINT OF THE YEAR. DO NOT MOW IN WETLAND OR WETLAND TRANSITION AREAS AFTER ESTABLISHMENT OF MEADOW MIX.

MEADOW MAINTENANCE NOTES

1. MOWING MEADOW AREAS SHALL BE DONE VIA STRING TRIMMER, WHERE LARGER MACHINES CANNOT REASONABLY BE USED AND WHERE DAMAGE OR RUTTING COULD OCCUR.
2. DURING THE ESTABLISHMENT YEAR, CONTRACTOR SHALL MOW SEEDING IF WEED HEIGHT EXCEEDS MEADOW MIX HEIGHT. MOW AT A HEIGHT OF 8"–10". DO NOT MOW CLOSE, AS SOME OF THE MEADOW MIX MAY BE DAMAGED.
3. AFTER THE FIRST GROWING SEASON, AND IF MEADOW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL BE MOWED ONLY ONCE ANNUALLY. ANNUAL MAINTENANCE MOWING SHALL BE DONE IN LATE WINTER DURING THE MONTH OF MARCH.
4. MOW IN BASINS, WETLAND AND WETLAND TRANSITION AREAS DURING DRIER SITE CONDITIONS WHEN SOIL DISTURBANCE WILL NOT OCCUR. MAINTENANCE FOR WETLAND AND WETLAND TRANSITION AREAS SHALL OCCUR DURING LATE SUMMER (JULY 15 – AUGUST 15) WHEN THE WATER TABLE IS USUALLY AT ITS LOWEST POINT OF THE YEAR. DO NOT MOW IN WETLAND OR WETLAND TRANSITION AREAS AFTER ESTABLISHMENT OF MEADOW MIX.
5. DURING THE FIRST 2–4 YEARS OF ESTABLISHMENT, AND AFTER ESTABLISHMENT DEPENDING ON THE LOOK DESIRED, SELECTIVE WEEDING WITH A BROADLEAF WEED–CONTROL HERBICIDE, OVER–SEEDING BARE SPOTS AND WATERING TO PROMOTE A UNIFORM DROUGHT–TOLERANT STAND OF PLANTS MAY BE NECESSARY.
6. FERTILIZERS ARE NOT GENERALLY NEEDED OR RECOMMENDED FOR NATIVE MEADOWS UNLESS SOIL TEST RESULTS SHOW A SIGNIFICANT LACK OF NUTRIENTS. USE ONLY SLOW–RELEASE FERTILIZERS WITH LITTLE TO NO NITROGEN IN APRIL OR SEPTEMBER.

PLANTING SOIL SPECIFICATIONS

1. PLANTING SOIL, ALTERNATELY MAY BE REFERRED TO AS TOPSOIL, SHOULD BE FRIABLE, FERTILE, WELL DRAINED, FREE OF DEBRIS, TOXINS, TRASH AND STONES OVER 1/2" DIA., IT SHOULD HAVE A HIGH ORGANIC CONTENT SUITABLE TO SUSTAIN HEALTHY PLANT GROWTH AND SHOULD LOOK AESTHETICALLY PLEASING HAVING NO NOXIOUS ODORS.

2. PLANTING SOIL:

REUSE SURFACE SOILS STOCKPILED ON SITE, VERIFYING COMPLIANCE WITH PLANTING SOIL AND TOPSOIL CRITERIA IN THIS SPECIFICATION THROUGH TESTING. CLEAN SURFACE SOIL OF ALL ROOTS, PLANTS, SOD, AND GRAVEL OVER 1" IN DIAMETER AND DELETERIOUS MATERIALS. IF ON–SITE SOILS ARE TO BE USED FOR PROPOSED PLANTING, THE CONTRACTOR SHALL DEMONSTRATE, THROUGH SOIL TESTING, THAT ON–SITE SOILS MEET THE SAME CRITERIA AS INDICATED IN NOTES PLANS AND SPECIFICATIONS.

SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN TOPSOIL AND PLANTING SOIL QUANTITIES ARE INSUFFICIENT. OBTAIN SOIL DISPLACED FROM NATURALLY WELL–DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 4" DEEP. DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, MARSHES OR CONTAMINATED SITES.

AT A MINIMUM, PLANTING SOILS MEETING THESE SPECIFICATIONS MAY BE OBTAINED FROM WECARE DENALI, P:888–325–1522, NATURCYCLE, P:315–707–8955, OR APPROVED EQUAL.

CONTRACTOR SHALL TEST SOILS AND FURNISH SAMPLES UPON REQUEST. PACKAGED MATERIALS SHALL BE UNOPENED BAGS OR CONTAINERS, EACH BEARING A NAME, GUARANTEE, AND TRADEMARK OF THE PRODUCER, MATERIAL COMPOSITION, MANUFACTURER'S CERTIFIED ANALYSIS, AND THE WEIGHT OF THE MATERIALS. SOIL OR AMENDMENT MATERIALS SHALL BE STORED ON SITE TEMPORARILY IN STOCKPILES PRIOR TO PLACEMENT AND SHALL BE PROTECTED FROM INTRUSION OF CONTAMINANTS AND EROSION. AFTER MIXING, SOIL MATERIALS SHALL BE COVERED WITH A TARPAULIN UNTIL TIME OF ACTUAL USE.

ALL PLANTING SOILS SHALL BE SUBMITTED FOR TESTING TO THE STATE COOPERATIVE EXTENSION SERVICE, OR APPROVED EQUAL, PRIOR TO DELIVERY TO THE SITE. CONTRACTOR SHALL FURNISH SOIL SAMPLES AND SOIL TEST RESULTS TO LANDSCAPE ARCHITECT OR OWNER AT A RATE OF ONE SAMPLE PER 500 CUBIC YARDS TO ENSURE CONSISTENCY ACROSS THE TOTAL VOLUME OF PLANTING SOIL REQUIRED. TEST RESULTS SHALL EVALUATE FOR ALL CRITERIA LISTED IN THIS SPECIFICATION. IF TESTING AGENCY DETERMINES THAT THE SOILS ARE DEFICIENT IN ANY MANNER AND MAY BE CORRECTED BY ADDING AMENDMENTS, THE CONTRACTOR SHALL FOLLOW STATED RECOMMENDATIONS FOR SOIL IMPROVEMENT AND FURNISH SUBMITTALS FOR ALL AMENDMENTS PRIOR TO DELIVERY OF SOIL TO THE PROJECT SITE.

THE FOLLOWING TESTING SHOULD BE PERFORMED AND RESULTS GIVEN TO THE LANDSCAPE ARCHITECT FOR APPROVAL BEFORE INSTALLATION:

A. WHERE A PERMANENT IRRIGATION SYSTEM IS PLANNED:
    a. PARTICLE SIZE ANALYSIS – SANDY LOAM: 60–75% SAND, 25–40% SILT, AND 5–15% CLAY.
    b. GRAVEL CONTENT (2mm): LESS THAN 10%
    c. FERTILITY ANALYSIS: pH (6.0–6.8), SOLUBLE SALTS (0.2 to 1.0 MMHO/CM), NITRATE, PHOSPHATE, POTASSIUM, CALCIUM AND MAGNESIUM
    d. ORGANIC MATTER CONTENT: 2.5–5% IN NATIVE SOILS; UP TO 10% IN AMENDED SOILS
    e. TOXIC SUBSTANCE ANALYSIS
    f. MATERIAL DRAINAGE RATE: 60% PASSING IN 2 MINUTES, 40% RETAINED
    g. NOT MORE THAN 1% OF MATERIAL SHALL BE RETAINED BY A #4 SIEVE

B. WHERE NO PERMANENT IRRIGATION IS PLANNED:
    a. PARTICLE SIZE ANALYSIS – LOAM: 40–65% SAND, 25–60% SILT, AND 5–20% CLAY.
    b. GRAVEL CONTENT (2mm): LESS THAN 10%
    c. FERTILITY ANALYSIS: pH (6.0–6.8), SOLUBLE SALTS (0.2 to 1.0 MMHO/CM), NITRATE, PHOSPHATE, POTASSIUM, CALCIUM AND MAGNESIUM
    d. ORGANIC MATTER CONTENT: 2.5–5% IN NATIVE SOILS; UP TO 10% IN AMENDED SOILS
    e. TOXIC SUBSTANCE ANALYSIS
    f. MATERIAL DRAINAGE RATE: 60% PASSING IN 2 MINUTES, 40% RETAINED
    g. NOT MORE THAN 1% OF MATERIAL SHALL BE RETAINED BY A #4 SIEVE

C. SOILS FOR BASINS (BIO–RENTENTION, INFILTRATION, ETC.) AND BIOSWALES SHALL BE TESTED FOR COMPLIANCE WITH THE CIVIL ENGINEERING SPECIFICATIONS, OR OTHERWISE THE BEST MANAGEMENT PRACTICES MANUAL FOR THE RESPECTIVE STATE IN WHICH THE PROJECT IS LOCATED.

3. SOIL AMENDMENT FOR PLANT MATERIAL:
IF SOIL ORGANIC CONTENT IS INADEQUATE, SOIL SHALL BE AMENDED WITH COMPOST OR ACCEPTABLE, WEED FREE, ORGANIC MATTER. ORGANIC AMENDMENT SHALL BE WELL COMPOSTED, PH RANGE OF 6–8; MOISTURE CONTENT 35–55% BY WEIGHT 100% PASSING THROUGH 1" SIEVE; SOLUBLE SALT CONTENT LESS THAN 0.5 MM HOS/CM; MEETING ALL APPLICABLE ENVIRONMENTAL CRITERIA FOR CLEAN FILL.

A. ORGANIC MATTER AS A SOIL AMENDMENT: LEAF MOLD WITH 60–90% ORGANIC CONTENT BY WEIGHT. SHREDDED LEAF LITTER, COMPOSTED FOR A MINIMUM OF 1 YR. SHOULD BE FREE OF DEBRIS, STONES OVER 1/2", WOOD CHIPS OVER 1".

B. SOIL IN BEDS AND PLANTING ISLANDS OTHER THAN BACKFILL MATERIAL AND TOPSOIL, SHOULD BE FRIABLE, WELL DRAINED, AND FREE OF DEBRIS, INCLUDING STONES AND TRASH.

C. AMENDMENTS FOR BACK FILL IN TREE AND SHRUB PITS:
    a. GROUND LIMESTONE (WITH A MIN. OF 88% OF CALCIUM AND MAGNESIUM CARBONATES) USED PENDING RESULTS OF SOIL ANALYSIS.
        – BRING pH LEVELS TO 5.5 MIN. TO 6.5 FOR NON–ERICACEOUS PLANTS
        – BRING pH LEVELS TO 4.5 MIN. TO 5.5 FOR ERICACEOUS PLANTS
    b. TERRA–SORB BY 'PLANT HEALTH CARE' 800–421–9051 (SEE MANUFACTURER RECOMMENDATIONS) USED IN PLANTER BACKFILL MIXTURE WITH TREES AND SHRUBS.
    c. MYCOR–ROOT SAVER BY 'PLANT HEALTH CARE' 800–421–9051 (SEE MANUFACTURER RECOMMENDATIONS) USED IN BACKFILL MIXTURE WITH TREES.

4. WHERE PLANTING AREAS ARE PROPOSED FOR FORMER PAVED OR GRAVEL AREAS, BEDS SHALL BE EXCAVATED TO A MINIMUM 30" DEPTH AND, AT A MINIMUM, BE BACKFILLED WITH BOTTOM LAYER OF SANDY LOAM (ORGANIC CONTENT LESS THAN 2%) OVER WHICH TOPSOIL AND PLANTING SOILS WILL BE PLACED AT DEPTHS INDICATED IN PLANS, DETAILS AND NOTES.

5. CLEAN SOIL FILL IN LANDSCAPE AREAS:
LANDSCAPE FILL MATERIAL, BELOW PLANTING SOILS, SHALL HAVE THE PHYSICAL PROPERTIES OF A SANDY LOAM WITH AN ORGANIC CONTENT OF LESS THAN 2% AND A PH BETWEEN 5 – 7.

6. SOIL PLACEMENT:

A. CONTRACTOR TO PROVIDE SIX INCHES (6") MINIMUM DEPTH PLANTING SOIL LAYER IN LAWN AREAS, TWELVE INCHES (12") MINIMUM DEPTH PLANTING SOIL LAYER IN GROUNDCOVER AND PERENNIAL AREAS, EIGHTEEN INCHES (18") MINIMUM DEPTH PLANTING SOIL LAYER IN SHRUB AREAS, AND THIRTY–SIX INCHES (36") MINIMUM DEPTH PLANTING SOIL LAYER IN TREE PLANTING AREAS.

B. SCARIFY AND/OR TILL COMPACTED SUBSOILS TO A MINIMUM DEPTH OF 6 INCHES. THOROUGHLY MIX A 6 INCH DEPTH LAYER OF PLANTING SOIL INTO THE SUBSOIL PRIOR TO PLACING PLANTING SOIL AT THE DEPTHS INDICATED ABOVE. PLANTING SOIL SHALL BE PLACED IN 12–18" LIFTS AND WATER THOROUGHLY BEFORE INSTALLING NEXT LIFT. REPEAT UNTIL DEPTHS AND FINISH GRADES HAVE BEEN ACHIEVED. NO SOILS SHALL BE PLACED IN A FROZEN OR MUDDY CONDITION.

C. PLANTING SOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON–SITE PLANTING SOIL UTILIZED IN ALL PLANTING AREAS.

7. SOIL CONDITIONING:

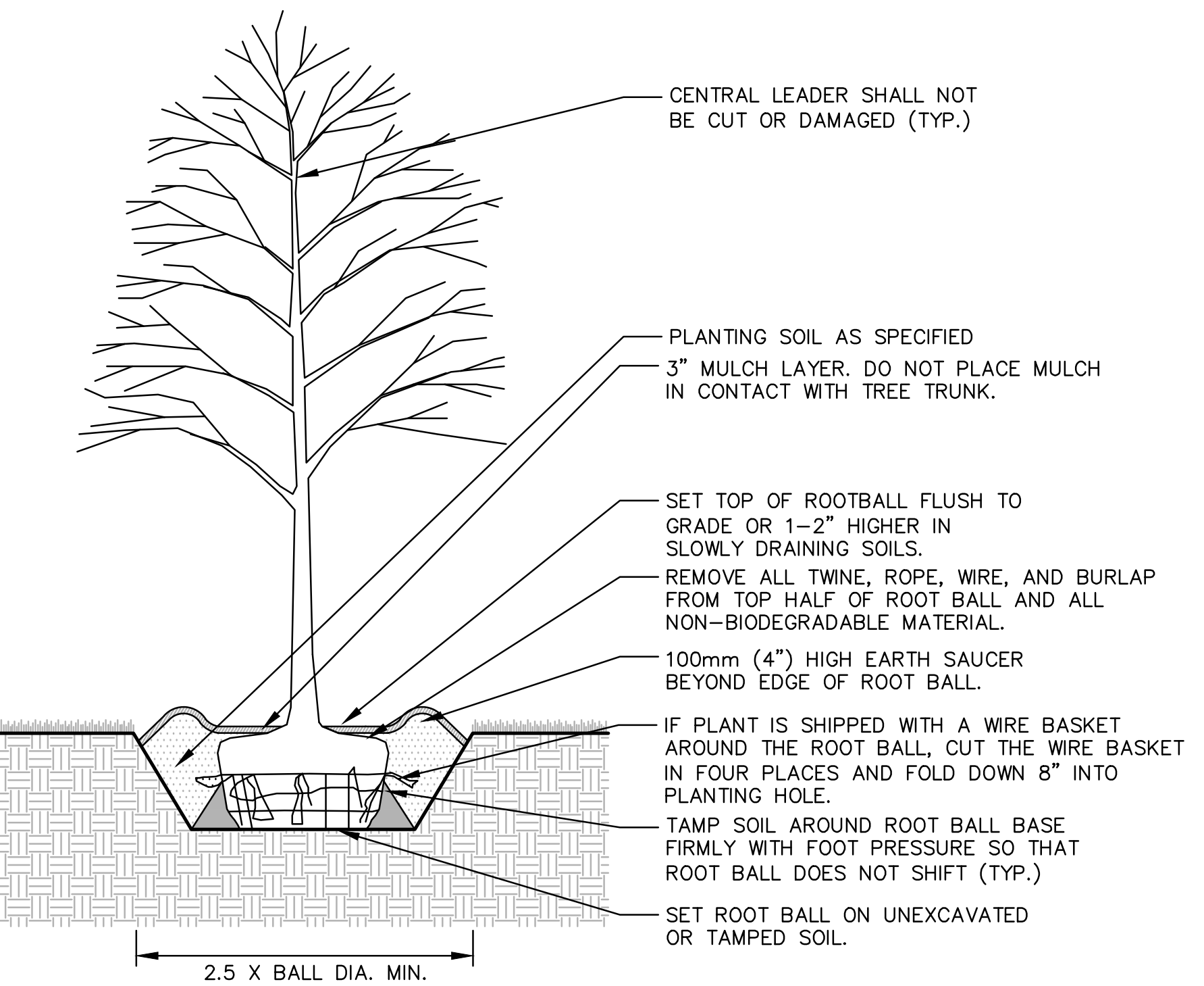
A. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM. LOWER pH USING ELEMENTAL SULFUR ONLY. PEAT MOSS OR COPPER SULFATE MAY NOT BE USED. GROUND LIMESTONE AS A SOIL AMENDMENT MATERIAL WILL ONLY BE USED PENDING RESULTS OF SOIL ANALYSIS. PROVIDE WITH MINIMUM 88% CALCIUM AND MAGNESIUM CARBONATES AND SHALL HAVE TOTAL 100% PASSING THE 10 MESH SIEVE, MINIMUM 90% PASSING 20 MESH SIEVE, AND MINIMUM 60% PASSING 100 MESH SIEVE.

B. ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

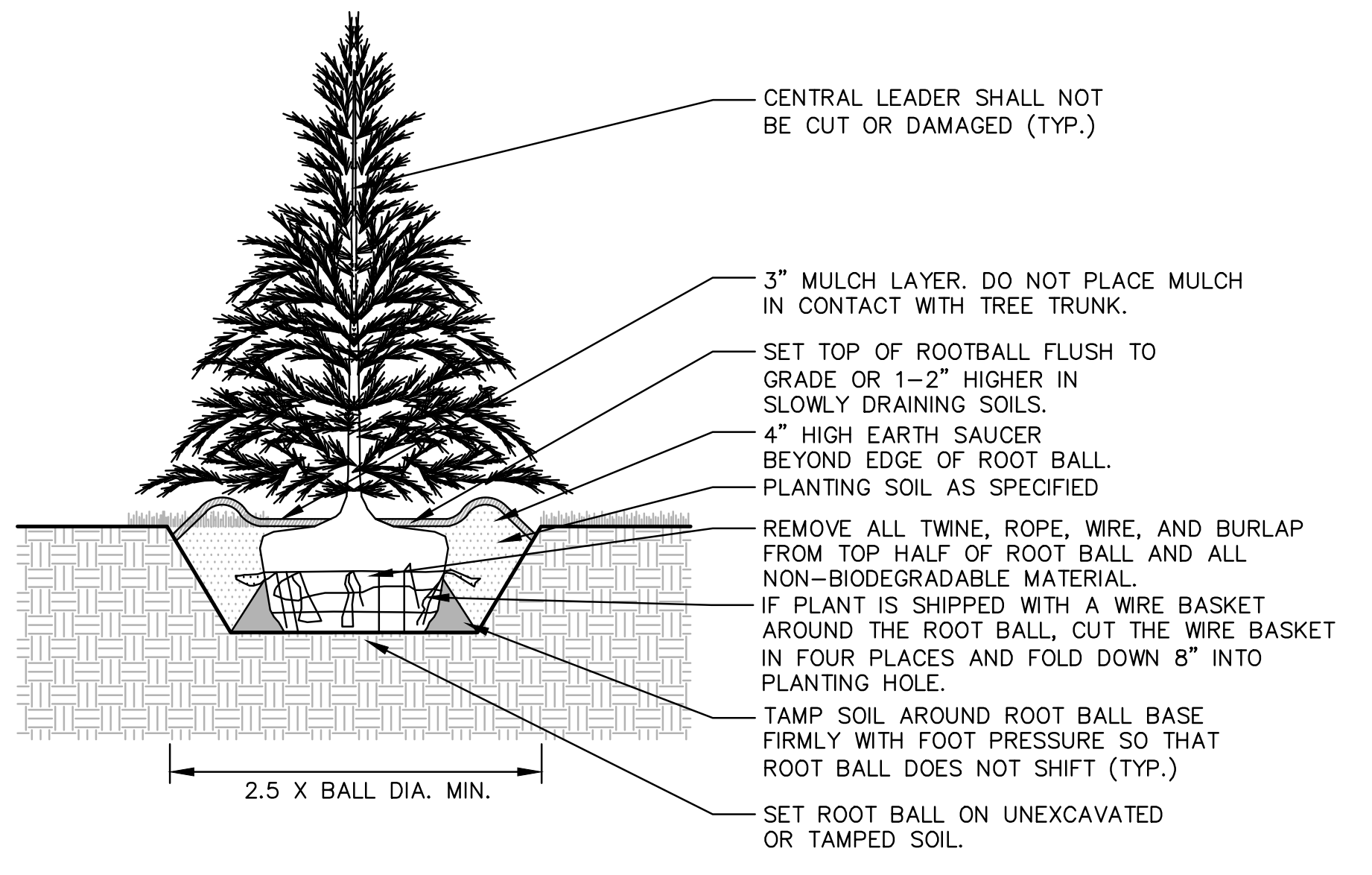
C. SOIL MODIFICATIONS (PENDING RESULTS OF SOIL ANALYSIS):
    a. THOROUGHLY TILL ORGANIC MATTER (LEAF COMPOST) INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A pH HIGHER THAN 7.0. PEAT MOSS MAY NOT BE USED AS ORGANIC MATTER AMENDMENT.

    b. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.

    c. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

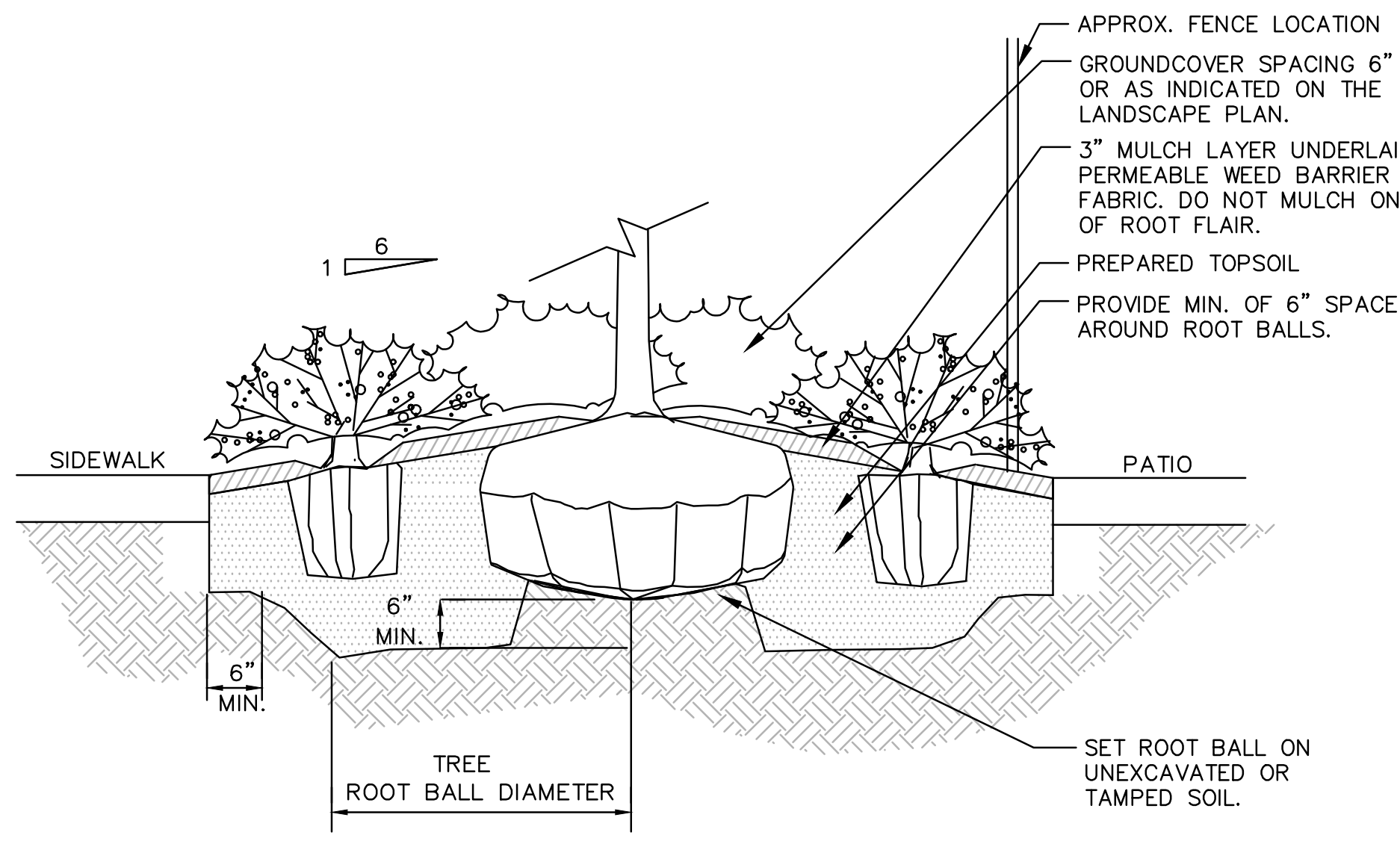

CENTRAL LEADER SHALL NOT BE CUT OR DAMAGED (TYP.)
PLANTING SOIL AS SPECIFIED
3" MULCH LAYER. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.
SET TOP OF ROOTBALL FLUSH TO GRADE OR 1–2" HIGHER IN SLOWLY DRAINING SOILS.
REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL AND ALL NON–BIODEGRADABLE MATERIAL.
100mm (4") HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL.
IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN 8" INTO PLANTING HOLE.
TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT (TYP.)
SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
2.5 X BALL DIA. MIN.

1 DECIDUOUS TREE PLANTING
NTS


CENTRAL LEADER SHALL NOT BE CUT OR DAMAGED (TYP.)
3" MULCH LAYER. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.
SET TOP OF ROOTBALL FLUSH TO GRADE OR 1–2" HIGHER IN SLOWLY DRAINING SOILS.
4" HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL.
PLANTING SOIL AS SPECIFIED
REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL AND ALL NON–BIODEGRADABLE MATERIAL.
IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN 8" INTO PLANTING HOLE.
TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT (TYP.)
SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
2.5 X BALL DIA. MIN.

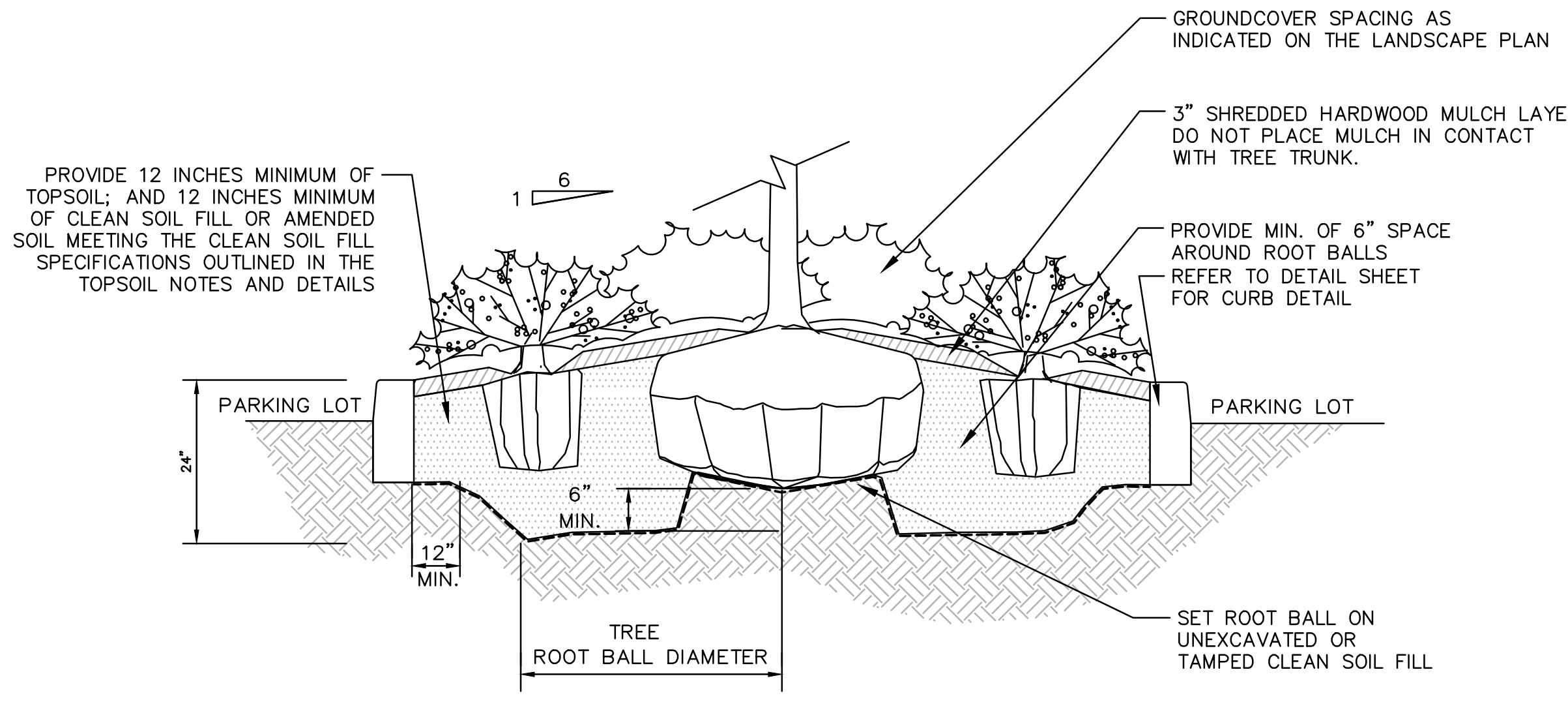
2 EVERGREEN TREE PLANTING
NTS

NOTES:
1. PLANTING STRIP TO BE FREE OF DEBRIS AND RUBBLE PRIOR TO PLANTING OPERATION.
2. MOUND PLANTING STRIP AS SHOWN.
3. REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.
4. SET PLANTS AT GRADE WHICH IS EVEN WITH ORIGINAL NURSERY GRADE.

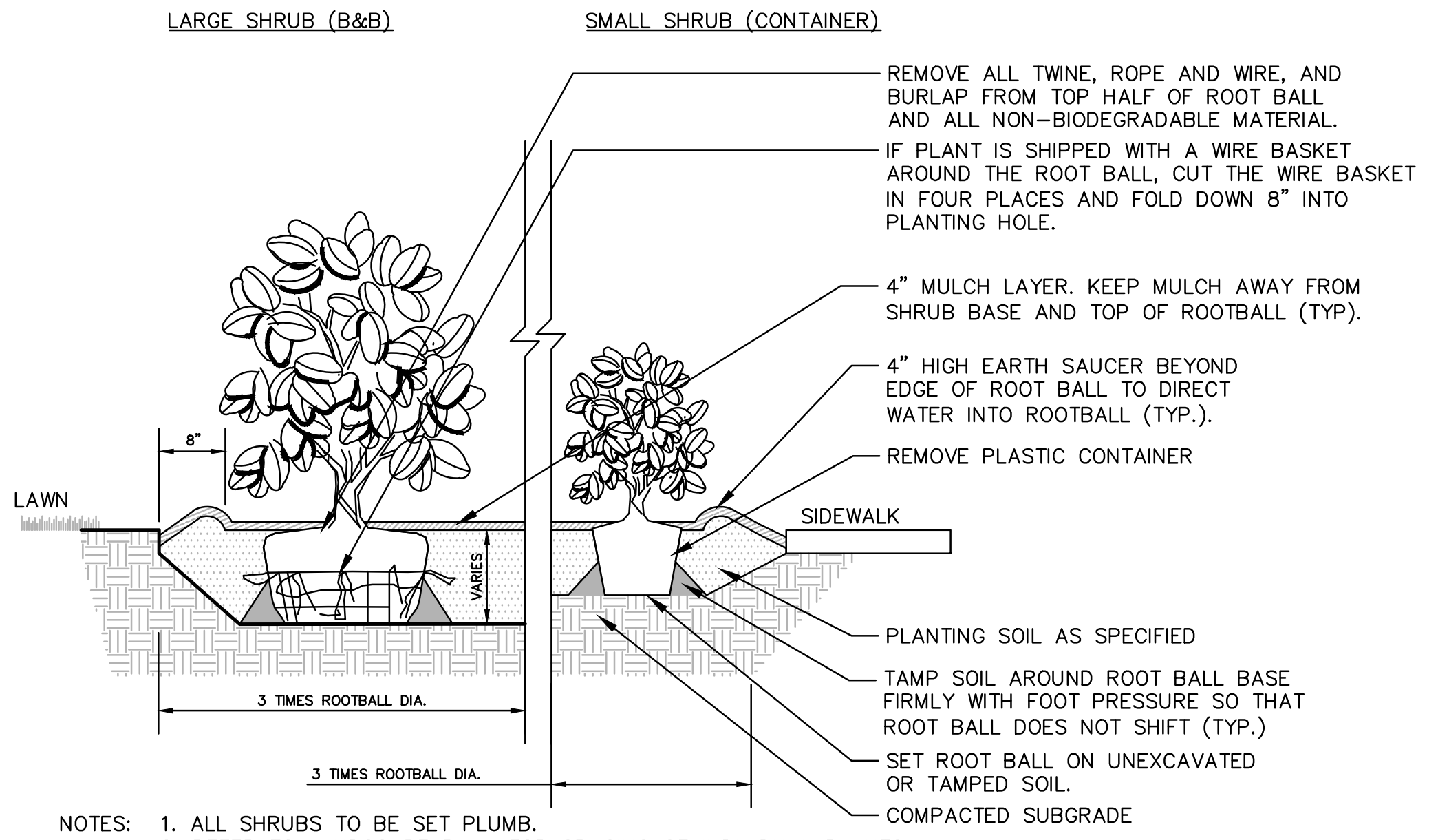

APPROX. FENCE LOCATION
GROUNDCOVER SPACING 6" O.C. OR AS INDICATED ON THE LANDSCAPE PLAN.
3" MULCH LAYER UNDERLAIN BY PERMEABLE WEED BARRIER FABRIC. DO NOT MULCH ON TOP OF ROOT FLAIR.
PREPARED TOPSOIL
PROVIDE MIN. OF 6" SPACE AROUND ROOT BALLS.
1
6
SIDEWALK
PATIO
6" MIN.
6" MIN.
TREE ROOT BALL DIAMETER
SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.

3 PLANTING STRIP
NTS

NOTES:
1. ISLAND AREAS TO BE FREE OF DEBRIS AND RUBBLE PRIOR TO PLANTING OPERATION.
2. MOUND PARKING ISLAND AS SHOWN.
3. REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.
4. SET PLANTS AT GRADE WHICH IS EVEN WITH ORIGINAL NURSERY GRADE.

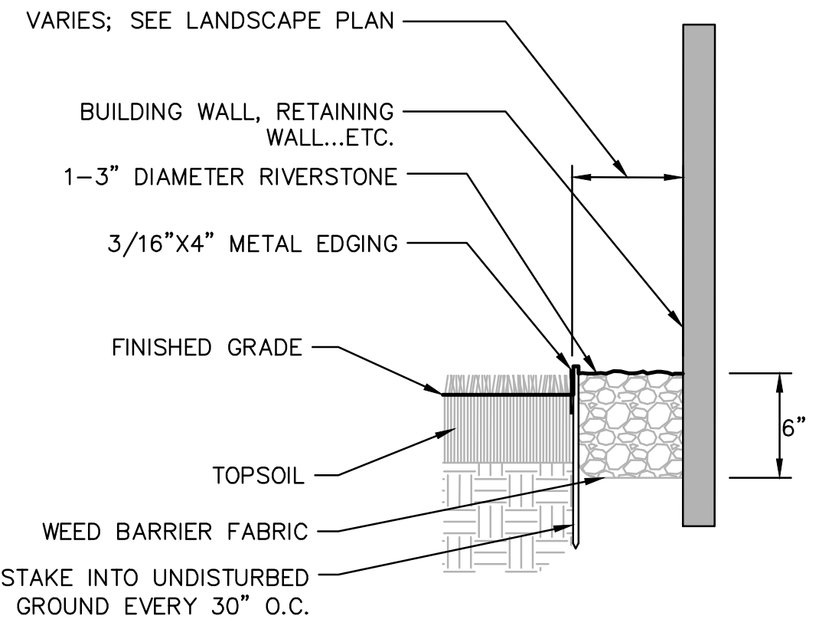

GROUNDCOVER SPACING AS INDICATED ON THE LANDSCAPE PLAN
3" SHREDDED HARDWOOD MULCH LAYER; DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.
PROVIDE 12 INCHES MINIMUM OF TOPSOIL; AND 12 INCHES MINIMUM OF CLEAN SOIL FILL OR AMENDED SOIL MEETING THE CLEAN SOIL FILL SPECIFICATIONS OUTLINED IN THE TOPSOIL NOTES AND DETAILS
PROVIDE MIN. OF 6" SPACE AROUND ROOT BALLS
REFER TO DETAIL SHEET FOR CURB DETAIL
1
6
PARKING LOT
PARKING LOT
24"
6" MIN.
12" MIN.
TREE ROOT BALL DIAMETER
SET ROOT BALL ON UNEXCAVATED OR TAMPED CLEAN SOIL FILL

4 PARKING ISLAND PLANTING
NTS


LARGE SHRUB (B&B)
SMALL SHRUB (CONTAINER)
REMOVE ALL TWINE, ROPE AND WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL AND ALL NON–BIODEGRADABLE MATERIAL.
IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN 8" INTO PLANTING HOLE.
4" MULCH LAYER. KEEP MULCH AWAY FROM SHRUB BASE AND TOP OF ROOTBALL (TYP).
4" HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL TO DIRECT WATER INTO ROOTBALL (TYP.).
REMOVE PLASTIC CONTAINER
LAWN
8"
VARIES
SIDEWALK
PLANTING SOIL AS SPECIFIED
TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT (TYP.)
SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
COMPACTED SUBGRADE
3 TIMES ROOTBALL DIA.
3 TIMES ROOTBALL DIA.

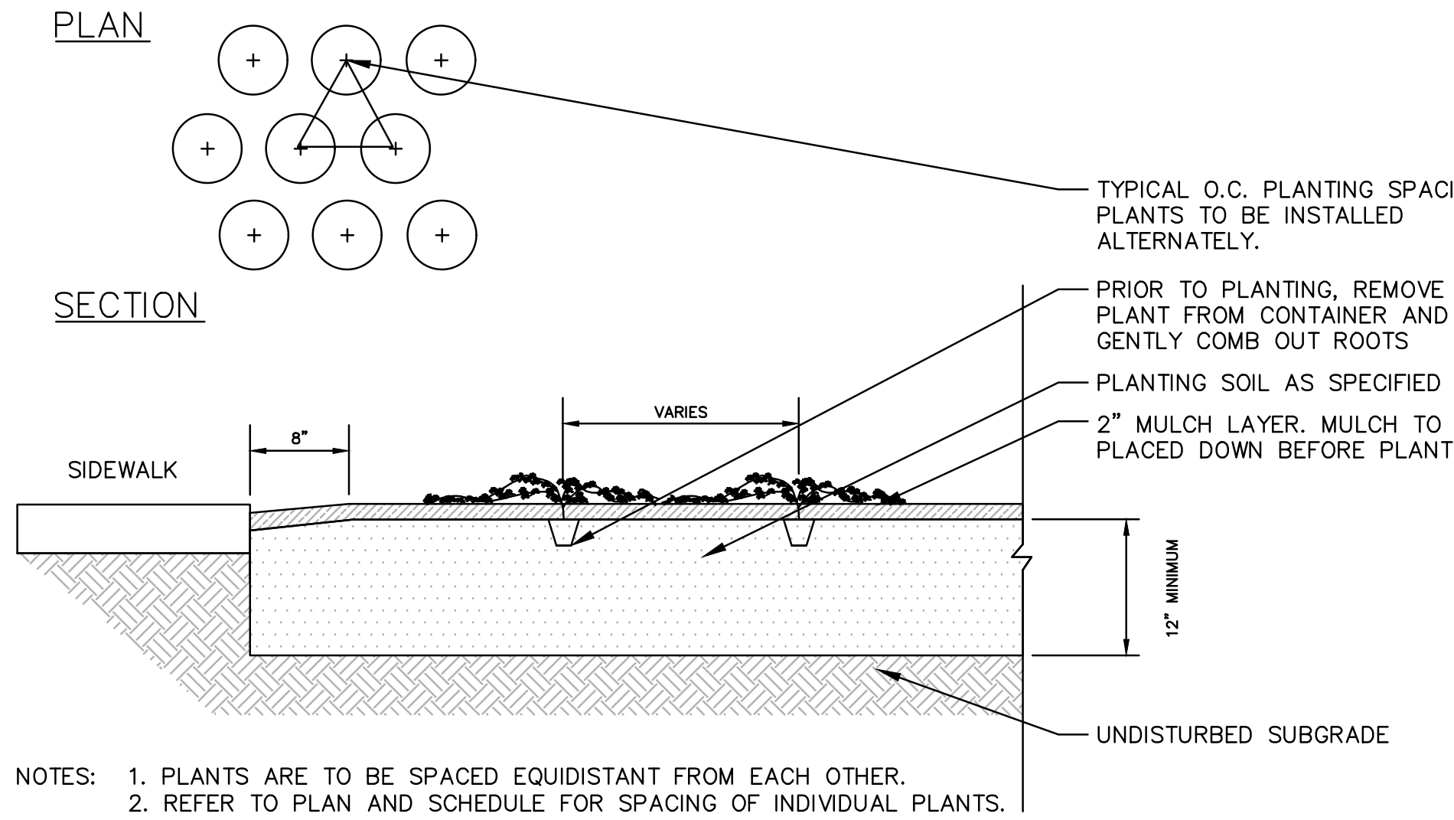
NOTES:
1. ALL SHRUBS TO BE SET PLUMB.
2. REFER TO LANDSCAPE PLAN FOR SPACING OF INDIVIDUAL PLANTS.
3. REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.

5 SHRUB PLANTING
NTS


VARIES; SEE LANDSCAPE PLAN
BUILDING WALL, RETAINING WALL...ETC.
1–3" DIAMETER RIVERSTONE
3/16"X4" METAL EDGING
FINISHED GRADE
6"
TOPSOIL
WEED BARRIER FABRIC
18" STAKE INTO UNDISTURBED GROUND EVERY 30" O.C.

NOTE:
RIVER STONE TO BE INSTALLED IF ADJACENT TO COMBUSTIBLE SIDING, OTHERWISE EXTEND PLANTING BED TO BUILDING FACE.

6 GRAVEL STRIP AT BUILDING
NTS


PLAN
TYPICAL O.C. PLANTING SPACING PLANTS TO BE INSTALLED ALTERNATELY.
SECTION
PRIOR TO PLANTING, REMOVE PLANT FROM CONTAINER AND GENTLY COMB OUT ROOTS
PLANTING SOIL AS SPECIFIED
2" MULCH LAYER. MULCH TO BE PLACED DOWN BEFORE PLANTINGS.
SIDEWALK
8"
VARIES
12" MINIMUM
UNDISTURBED SUBGRADE

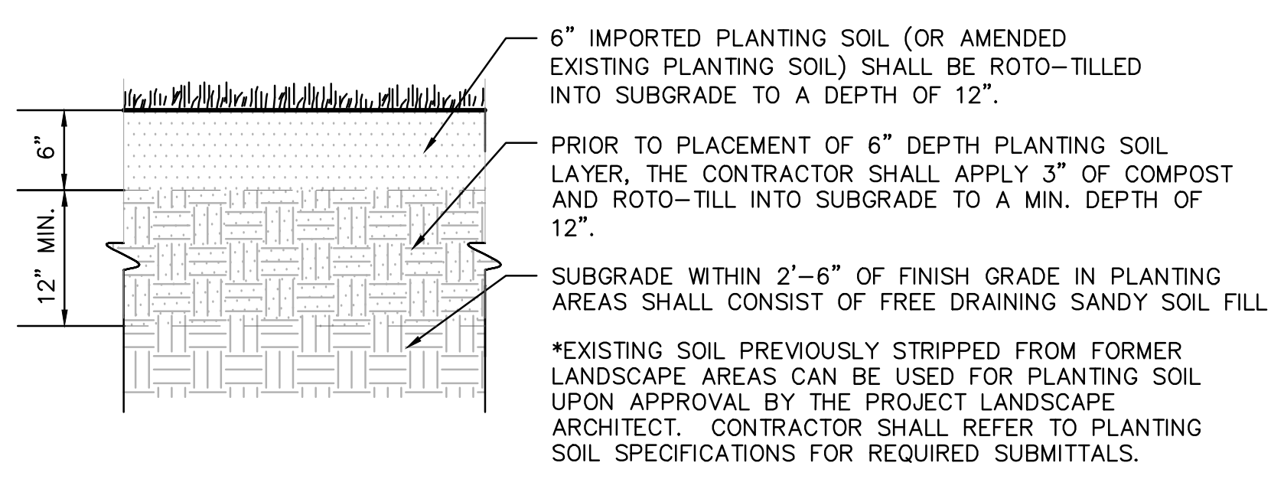
NOTES:
1. PLANTS ARE TO BE SPACED EQUIDISTANT FROM EACH OTHER.
2. REFER TO PLAN AND SCHEDULE FOR SPACING OF INDIVIDUAL PLANTS.
3. REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.

7 GROUNDCOVER/ PERENNIAL PLANTING
NTS

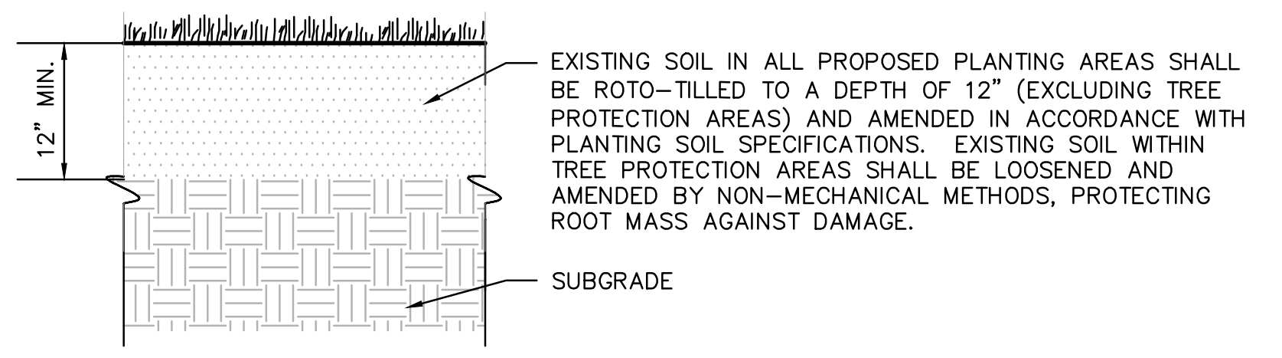
GENERAL NOTES:

1. WHERE PLANTING AREAS ARE PROPOSED AT FORMER PAVED OR GRAVEL AREAS, BEDS SHALL BE EXCAVATED TO A MINIMUM 30" DEPTH AND, AT A MINIMUM, BE BACKFILLED WITH BOTTOM LAYER OF SANDY LOAM (ORGANIC CONTENT LESS THAN 2%) OVER WHICH TOPSOIL AND PLANTING SOILS WILL BE PLACED AT DEPTHS INDICATED IN PLANS, DETAILS AND NOTES.

2. SIMILARLY, DUE TO GENERAL CONSTRUCTION ACTIVITIES AND ADJACENT SITE COMPACTION REQUIREMENTS, SUBGRADE SOILS WITHIN PROPOSED PLANTING AREAS TEND TO BECOME HIGHLY COMPACTED. IN ORDER TO CREATE A HEALTHY GROWTH MEDIUM TO ALLOW PROPOSED PLANTINGS TO ESTABLISH A VIGOROUS ROOT MASS, THIS SUBGRADE SOIL MUST UNDERGO A RESTORATION PROCESS. IN ADDITION, IMPORTED OR AMMENDED EXISTING SOILS SHALL BE MIXED WITH SUBGRADE SOILS WHERE THEY MEET IN ORDER TO CREATE A TRANSITIONAL GRADIENT TO ALLOW FOR PROPER DRAINAGE.


6"
12" MIN.
6" IMPORTED PLANTING SOIL (OR AMENDED EXISTING PLANTING SOIL) SHALL BE ROTO–TILLED INTO SUBGRADE TO A DEPTH OF 12".
PRIOR TO PLACEMENT OF 6" DEPTH PLANTING SOIL LAYER, THE CONTRACTOR SHALL APPLY 3" OF COMPOST AND ROTO–TILL INTO SUBGRADE TO A MIN. DEPTH OF 12".
SUBGRADE WITHIN 2'–6" OF FINISH GRADE IN PLANTING AREAS SHALL CONSIST OF FREE DRAINING SANDY SOIL FILL
*EXISTING SOIL PREVIOUSLY STRIPPED FROM FORMER LANDSCAPE AREAS CAN BE USED FOR PLANTING SOIL UPON APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT. CONTRACTOR SHALL REFER TO PLANTING SOIL SPECIFICATIONS FOR REQUIRED SUBMITTALS.

IMPORTED OR AMENDED EXISTING PLANTING SOIL WITHIN AREAS OF RAISED GRADE


12" MIN.
EXISTING SOIL IN ALL PROPOSED PLANTING AREAS SHALL BE ROTO–TILLED TO A DEPTH OF 12" (EXCLUDING TREE PROTECTION AREAS) AND AMENDED IN ACCORDANCE WITH PLANTING SOIL SPECIFICATIONS. EXISTING SOIL WITHIN TREE PROTECTION AREAS SHALL BE LOOSENED AND AMENDED BY NON–MECHANICAL METHODS, PROTECTING ROOT MASS AGAINST DAMAGE.
SUBGRADE

AMENDED EXISTING PLANTING SOIL WITHIN AREAS OF UNCHANGED OR CUT GRADE

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS (1 PER 500 CY.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE.

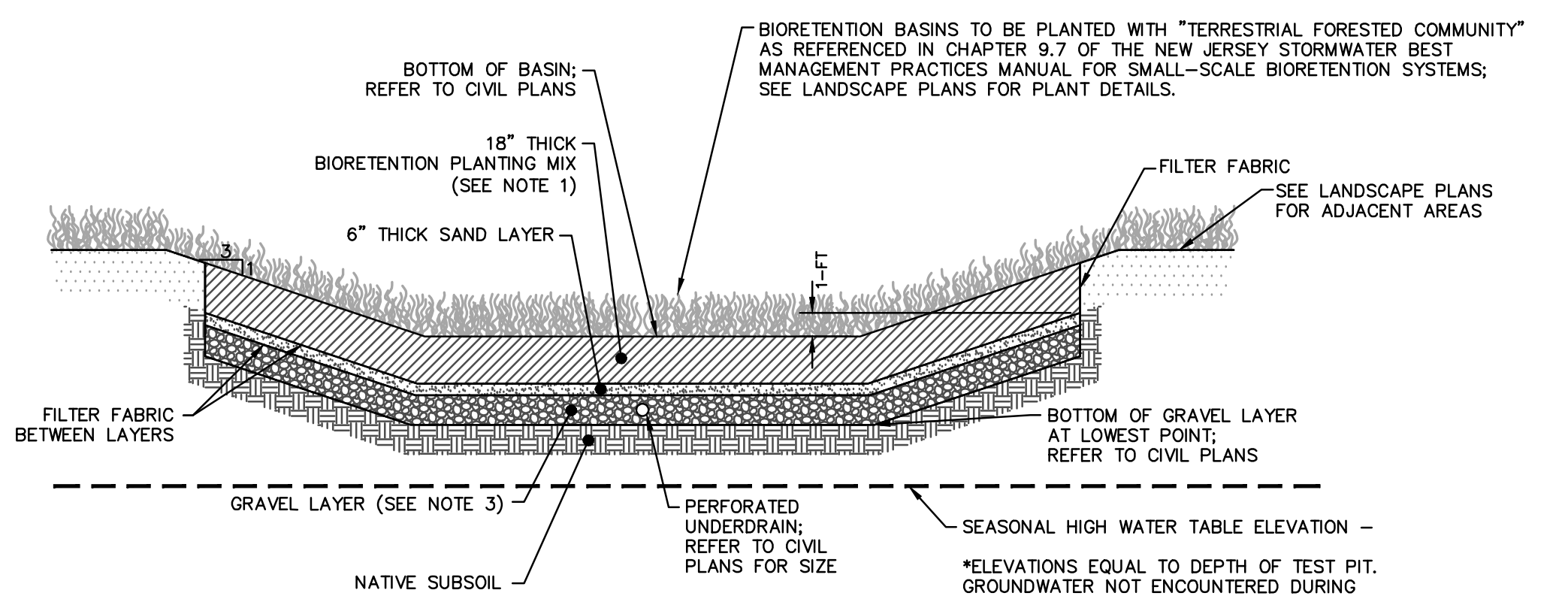
2. RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED WITHIN 2'–6" OF FINISH GRADE IN PROPOSED LANDSCAPE AREAS.

3. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCEEDENCE OF THE PROJECT STATE ENVIRONMENTAL REVIEW AGENCY STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE.

4. CONTRACTOR TO LIGHTLY COMPACT ALL PLACED PLANTING SOILS AND RAISE GRADES ACCORDINGLY TO ALLOW FOR FUTURE SETTLEMENT OF PLANTING SOILS (TYP.)

5. NO STONES, WOOD CHIPS, OR DEBRIS LARGER THAN 1/2" SHALL BE ACCEPTABLE WITHIN PLANTING AREAS.

8 PLANTING SOIL
NTS


BIORETENTION BASINS TO BE PLANTED WITH "TERRESTRIAL FORESTED COMMUNITY" AS REFERENCED IN CHAPTER 9.7 OF THE NEW JERSEY STORMWATER BEST MANAGEMENT PRACTICES MANUAL FOR SMALL–SCALE BIORETENTION SYSTEMS; SEE LANDSCAPE PLANS FOR PLANT DETAILS.
BOTTOM OF BASIN; REFER TO CIVIL PLANS
18" THICK BIORETENTION PLANTING MIX (SEE NOTE 1)
6" THICK SAND LAYER
FILTER FABRIC
SEE LANDSCAPE PLANS FOR ADJACENT AREAS
3
1
1–FT
FILTER FABRIC BETWEEN LAYERS
BOTTOM OF GRAVEL LAYER AT LOWEST POINT; REFER TO CIVIL PLANS
GRAVEL LAYER (SEE NOTE 3)
PERFORATED UNDERDRAIN; REFER TO CIVIL PLANS FOR SIZE
SEASONAL HIGH WATER TABLE ELEVATION –
*ELEVATIONS EQUAL TO DEPTH OF TEST PIT. GROUNDWATER NOT ENCOUNTERED DURING INVESTIGATION.
NATIVE SUBSOIL

NOTES:

1. SEE PLANTING SOIL SPECIFICATIONS FOR BIORETENTION BASIN SOIL AND PREPARATION NOTES.
2. BIORETENTION BASIN (INCLUDING THE PLANT MIX, SAND, AND GRAVEL LAYER) TO BE CONSTRUCTED IN CONFORMANCE WITH NEW JERSEY STORMWATER BEST MANAGEMENT PRACTICES MANUAL SECTION 9.7 SMALL–SCALE BIORETENTION BASIN.
3. 3 INCHES OF GRAVEL LAYER SHALL BE PROVIDED ABOVE THE PERFORATED UNDERDRAIN AND A MINIMUM OF 3 INCHES OF GRAVEL LAYER SHALL BE BELOW THE PERFORATED UNDERDRAIN. THICKNESS OF GRAVEL LAYER WILL VARY THROUGHOUT BASIN AS A RESULT OF THE SLOPED UNDERDRAIN.
4. IF REQUIRED, LINER SHALL BE INSTALLED DURING TIME OF LOW GROUNDWATER LEVEL. DEWATERING MAY BE NECESSARY TO INSTALL LINER. LINER SHOULD BE GEOMEMBRANE OR PLASTIC WITH A MAXIMUM PERMEABILITY OF 10^5 CM/SEC AND A MINIMUM 30–YEAR DESIGN LIFE.
5. THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85–95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.

9 BIORETENTION BASIN PLANTING
NTS

Date	Description	No.

Revisions

Signature DANIEL BADGLEY Date
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project
DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title
LANDSCAPE NOTES & DETAILS

Project No. 102054601
Date 7/24/2026
Drawn By LCZ
Checked By DB/MF
Drawing No. LP501

Project No. 102054601

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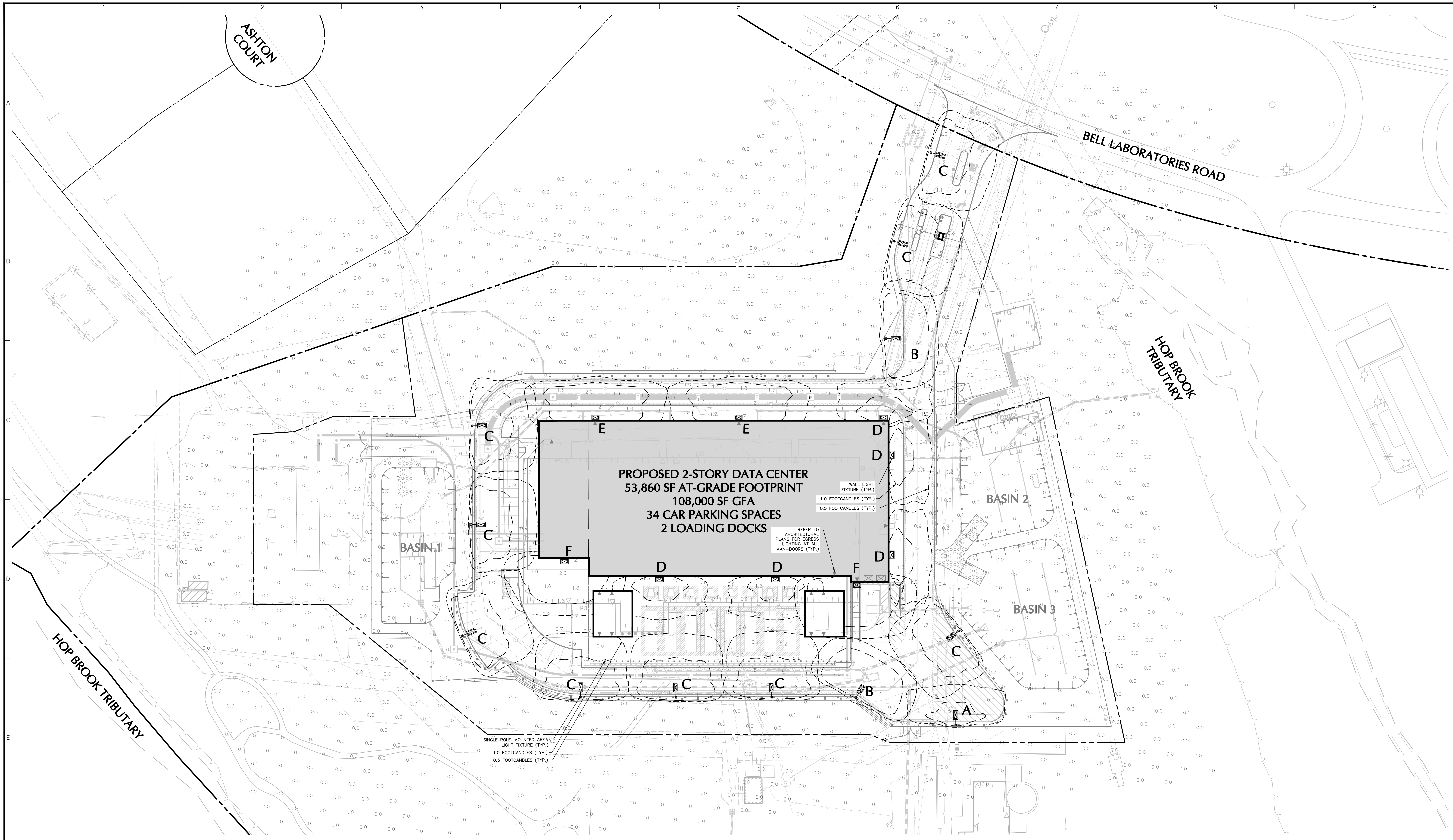

ASHTON COURT
BELL LABORATORIES ROAD
HOP BROOK TRIBUTARY
HOP BROOK TRIBUTARY
PROPOSED 2-STORY DATA CENTER
53,860 SF AT-GRADE FOOTPRINT
108,000 SF GFA
34 CAR PARKING SPACES
2 LOADING DOCKS
BASIN 1
BASIN 2
BASIN 3
A
B
C
D
E
F
WALL LIGHT FIXTURE (TYP.)
1.0 FOOTCANDLES (TYP.)
0.5 FOOTCANDLES (TYP.)
REFER TO ARCHITECTURAL PLANS FOR EGRESS LIGHTING AT ALL MAN-DOORS (TYP.)
SINGLE POLE-MOUNTED AREA LIGHT FIXTURE (TYP.)
1.0 FOOTCANDLES (TYP.)
0.5 FOOTCANDLES (TYP.)

SITE LIGHTING SCHEDULE

SYMBOL	KEY	QTY.	FIXTURE MANUFACTURER	FIXTURE MODEL	FIXTURE DESCRIPTION	FIXTURE MOUNTING HEIGHT	LAMP	OPTICS	LUMENS PER LAMP	LLF	COLOR TEMPERATURE	IES FILE	FIXTURE CATALOGUE NO.	POLE MANUFACTURER	POLE DESCRIPTION	POLE LENGTH	POLE CATALOGUE NO.
☒	A	1	COOPER LIGHTING SOLUTIONS – McGRAW–EDISON	GALN–GALLEON II	SINGLE POLE–MOUNTED AREA LIGHT FIXTURE; COLOR – BLACK	24'–0"	57W LED	TYPE SL3 WITH HSS	5,359	0.90	3000K	GALN–SA1C–730–U–SL3–HSS.IES	GALN–SA1C–730–VOLTS–SL3–BK–HSS	COOPER LIGHTING	ROUND STRAIGHT STEEL POLE; COLOR – BLACK	21'–0"	RSS–21–3–11–AB–M1–BK
☒	B	2	COOPER LIGHTING SOLUTIONS – McGRAW–EDISON	GALN–GALLEON II	SINGLE POLE–MOUNTED AREA LIGHT FIXTURE; COLOR – BLACK	24'–0"	108W LED	TYPE T4W WITH HSS	9,314	0.90	3000K	GALN–SA2C–730–U–T4W–HSS.IES	GALN–SA2C–730–VOLTS–T4W–BK–HSS	COOPER LIGHTING	ROUND STRAIGHT STEEL POLE; COLOR – BLACK	21'–0"	RSS–21–3–11–AB–M1–BK
☒	C	9	COOPER LIGHTING SOLUTIONS – McGRAW–EDISON	GALN–GALLEON II	SINGLE POLE–MOUNTED AREA LIGHT FIXTURE; COLOR – BLACK	24'–0"	108W LED	TYPE T4FT WITH HSS	9,272	0.90	3000K	GALN–SA2C–730–U–T4FT–HSS.IES	GALN–SA2C–730–VOLTS–T4FT–BK–HSS	COOPER LIGHTING	ROUND STRAIGHT STEEL POLE; COLOR – BLACK	21'–0"	RSS–21–3–11–AB–M1–BK
☒	D	5	COOPER LIGHTING SOLUTIONS – McGRAW–EDISON	GWC GALLEON WALL	WALL LIGHT FIXTURE; COLOR – BLACK	24–0" ABOVE FFE	59W LED	TYPE SL3	7,555	0.90	3000K	GWC–SA1C–730–U–SL3.IES	GWC–SA1C–730–U–SL3–BK	N/A			
☒	E	2	COOPER LIGHTING SOLUTIONS – McGRAW–EDISON	GWC GALLEON WALL	WALL LIGHT FIXTURE; COLOR – BLACK	24–0" ABOVE FFE	113W LED	TYPE SL2	14,461	0.90	3000K	GWC–SA2C–730–U–SL2.IES	GWC–SA2C–730–U–SL2–BK				
☒	F	2	COOPER LIGHTING SOLUTIONS – McGRAW–EDISON	GWC GALLEON WALL	WALL LIGHT FIXTURE; COLOR – BLACK	24–0" ABOVE FFE	113W LED	TYPE T4W	14,461	0.90	3000K	GWC–SA2C–730–U–T4W.IES	GWC–SA2C–730–U–T4W–BK				

NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING VOLTAGES AND ELECTRICAL LAYOUTS.
2. CONTRACTOR TO CONFIRM CONTROLS SYSTEM REQUIRED BY THE OWNER AND MEP PER CODE. BID PRICING SHALL INCLUDE CONTROL SYSTEM.
3. THE HOURS OF OPERATION WILL BE FROM DUSK TO DAWN, UNLESS STATED OTHERWISE.

HOLMDEL TOWNSHIP, NJ - ORDINANCE COMPLIANCE CHART

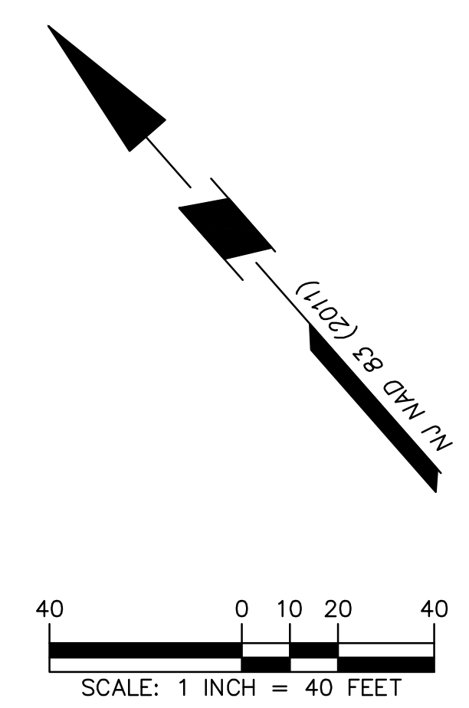
SECTION NO.	REQUIREMENT	PROPOSED	COMPLIANCE
LIGHTING			
§30.69	LIGHT INTENSITY SHALL NOT EXCEED 0.1 FOOTCANDLE AT ANY RESIDENTIAL PROPERTY LINE OR 0.3 FOOTCANDLE ALONG ANY OTHER PROPERTY LINE.	LIGHT INTENSITY IS 0.0 FOOTCANDLE AT RESIDENTIAL PROPERTY LINE AND 0.3 FOOTCANDLE ALONG OTHER PROPERTY LINE.	COMPLIES
ALCATEL–LUCENT REDEVELOPMENT PLAN			
8	THE MOUNTING HEIGHTS MAY VARY; HOWEVER, THE MAXIMUM MOUNTING HEIGHT SHALL BE 24 FEET. THE LIGHT INTENSITY AT GROUND LEVEL SHALL BE MAXIMUM TO 2.0 FOOTCANDLES, AND MAINTAIN A MINIMUM OF 0.5 FOOTCANDLES.	MAXIMUM MOUNTING HEIGHT FOR ALL FIXTURES IS 24 FEET. THE LIGHT INTENSITY AT GROUND LEVEL IS MINIMUM 0.5 FC AND MAXIMUM 2.0 FC	COMPLIES

STATISTICS

DESCRIPTION	AVG.	MAX.	MIN.	MAX./MIN.	AVG./MIN.
PARKING LOT & DRIVE	1.2fc	2.0fc	0.5fc	4.0:1	2.4:1
PROPERTY LINE – RESIDENTIAL SIDE	0.0fc	0.0fc	0.0fc	N/A	N/A
PROPERTY LINE – NON RESIDENTIAL SIDE	0.1fc	0.3fc	0.0fc	N/A	N/A

NOTE:
LIGHT PHOTOMETRY AND CALCULATIONS FOR EXISTING AND ADJACENT LIGHTING TO REMAIN ARE NOT INCLUDED IN THE ABOVE STATISTICS.

NOTE: REFER TO SHEET LL501 FOR LIGHTING NOTES & DETAILS.


NJ NAD 83 (2011)
40
0
10
20
40
SCALE: 1 INCH = 40 FEET

Date	Description	No.

Revisions

Signature DANIEL BADGLEY Date
N.J. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 21AS00097700

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

LIGHTING PLAN

Project No.
102054601
Date
7/24/2026
Drawn By
GR/RS
Checked By
DB/JC/MF

Drawing No.
LL101

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LIGHTING NOTES:

GENERAL

1. POINT–BY–POINT CALCULATIONS PROVIDED WITHIN HAVE BEEN PREPARED IN ACCORDANCE TO IESNA STANDARDS AND IN CONSIDERATION OF THE VARIABLES WITHIN THESE NOTES AND SITE LIGHTING SCHEDULE. THE VALUES SHOWN ON THE PLANS ARE NOT AN INDICATION OF THE INITIAL LIGHT INTENSITIES OF THE LAMPS. THESE VALUES ARE AN APPROXIMATION OF THE MAINTAINED INTENSITIES DELIVERED TO THE GROUND PLANE USING INDUSTRY STANDARD LIGHT LOSS FACTORS (LLF) WHICH COVER LAMP DEGRADATION AND NATURAL BUILDUP/ DIRT DEGRADATION ON THE FIXTURE LENS. THE LIGHTING PLAN IS DESIGNED WITH AN INDUSTRY STANDARD LLF IN ACCORDANCE WITH GUIDANCE AS PROVIDED BY IESNA. MINOR VARIATIONS IN TOPOGRAPHY, PHYSICAL OBSTRUCTIONS, AMBIENT OR ADJACENT LIGHT SOURCES AND/OR OTHER POTENTIAL IMPACTS HAVE NOT BEEN INCLUDED IN THESE CALCULATIONS. THEREFORE, AS–BUILT LIGHT INTENSITIES MAY VARY, IN EITHER DIRECTION, FROM WHAT IS EXPLICITLY PORTRAYED WITHIN THESE DRAWINGS.NO GUARANTEE OF LIGHT LEVELS IS EXPRESSED OR IMPLIED BY THE POINT BY POINT CALCULATIONS SHOWN ON THESE PLANS.
2. LIGHT LEVEL POINT SPACING IS 20 FT. LEFT TO RIGHT AND 20 FT. TOP TO BOTTOM. POINT BY POINT CALCULATIONS ARE BASED ON THE LIGHT LOSS FACTOR AS STATED IN THE LIGHTING SCHEDULE.

COMPLIANCE

3. ALL SITE LIGHTING RELATED WORK AND MATERIALS SHALL COMPLY WITH CITY, COUNTY, AND OTHER APPLICABLE GOVERNING AUTHORITY REQUIREMENTS.
4. LIGHTING LAYOUT COMPLIES WITH THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) SAFETY STANDARDS FOR LIGHT LEVELS.

COORDINATION

5. CONTRACTOR TO COORDINATE POWER SOURCE WITH LIGHT FIXTURES TO ENSURE ALL SITE LIGHTING IS OPERATING EFFECTIVELY, EFFICIENTLY AND SAFELY.
6. REFER TO ELECTRIFICATION PLAN FOR PROVIDING ADEQUATE POWER FOR SITE LIGHTING.
7. CONTRACTOR TO COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES AND DRAINAGE BEFORE DRILLING POLE BASES.
8. INSTALLATION OF ALL LIGHTING FIXTURES, POLES, FOOTINGS, AND FEEDER CABLE TO BE COORDINATED WITH ALL SITE WORK TRADES TO AVOID CONFLICT WITH FINISHED AND PROPOSED WORK.
9. CONTRACTOR TO COORDINATE INSTALLATION OF UNDERGROUND FEEDER CABLE FOR EXTERIOR LIGHTING WITH EXISTING AND PROPOSED UTILITIES, SITE DRAINAGE SYSTEMS, AND PAVING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE SHOULD ANY UTILITIES, NOT SHOWN ON THE PLANS, BE FOUND DURING EXCAVATIONS.

POLES AND FOOTINGS

10. PROVIDE A CONCRETE BASE FOR EACH LIGHT POLE AT THE LOCATIONS INDICATED ON THE CONSTRUCTION DRAWINGS AND/OR IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS RELATING DIRECTLY TO CAST–IN–PLACE CONCRETE. THE USE OF ALTERNATE LIGHTING FOUNDATIONS, SUCH AS PRECAST, MAY CHANGE THE SIZING AND REINFORCEMENT REQUIREMENTS FROM THOSE SHOWN ON THESE PLANS. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ORDERING ANY SUBSTITUTED PRODUCTS.
11. CONTRACTOR SHALL EXAMINE AND VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO SUPPORT LOADS EXERTED UPON THE FOUNDATIONS DURING EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNSATISFACTORY CONDITIONS.
12. POLE FOUNDATIONS SHALL NOT BE POURED IF FREE STANDING WATER IS PRESENT IN EXCAVATED AREA.

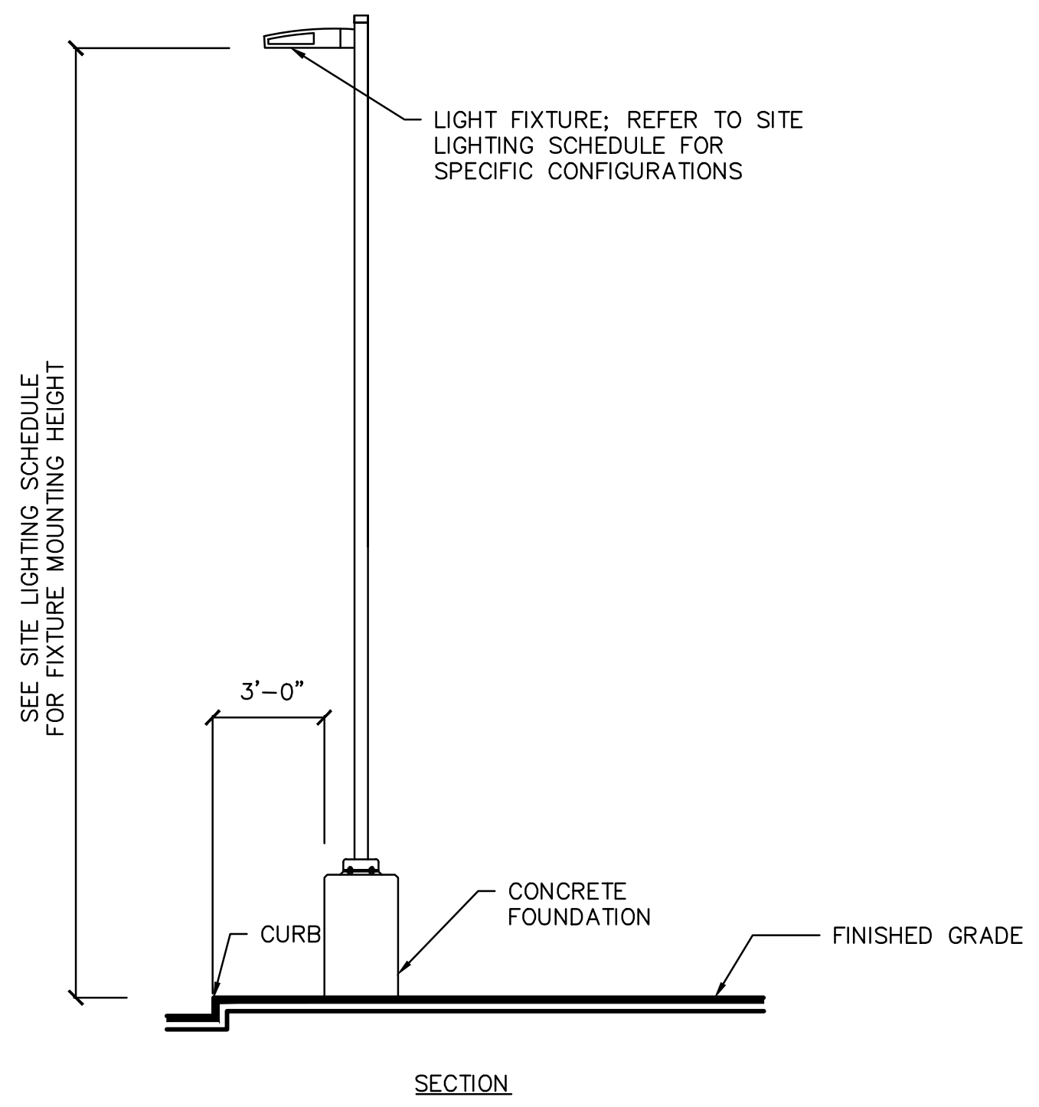
WALL MOUNTED FIXTURES

13. CONTRACTOR TO COORDINATE INSTALLATION OF ALL THE WALL MOUNTED FIXTURES AND ELECTRICAL CONNECTIONS TO SITE STRUCTURE(S) WITH BUILDING MEP, ARCHITECT, AND/OR OWNER.
14. INSTALLATION AND ELECTRICAL CONNECTIONS FOR WALL MOUNTED FIXTURES TO BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, UTILITY AND SITE PLANS AND TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES.

ADJUSTMENT AND INSPECTION

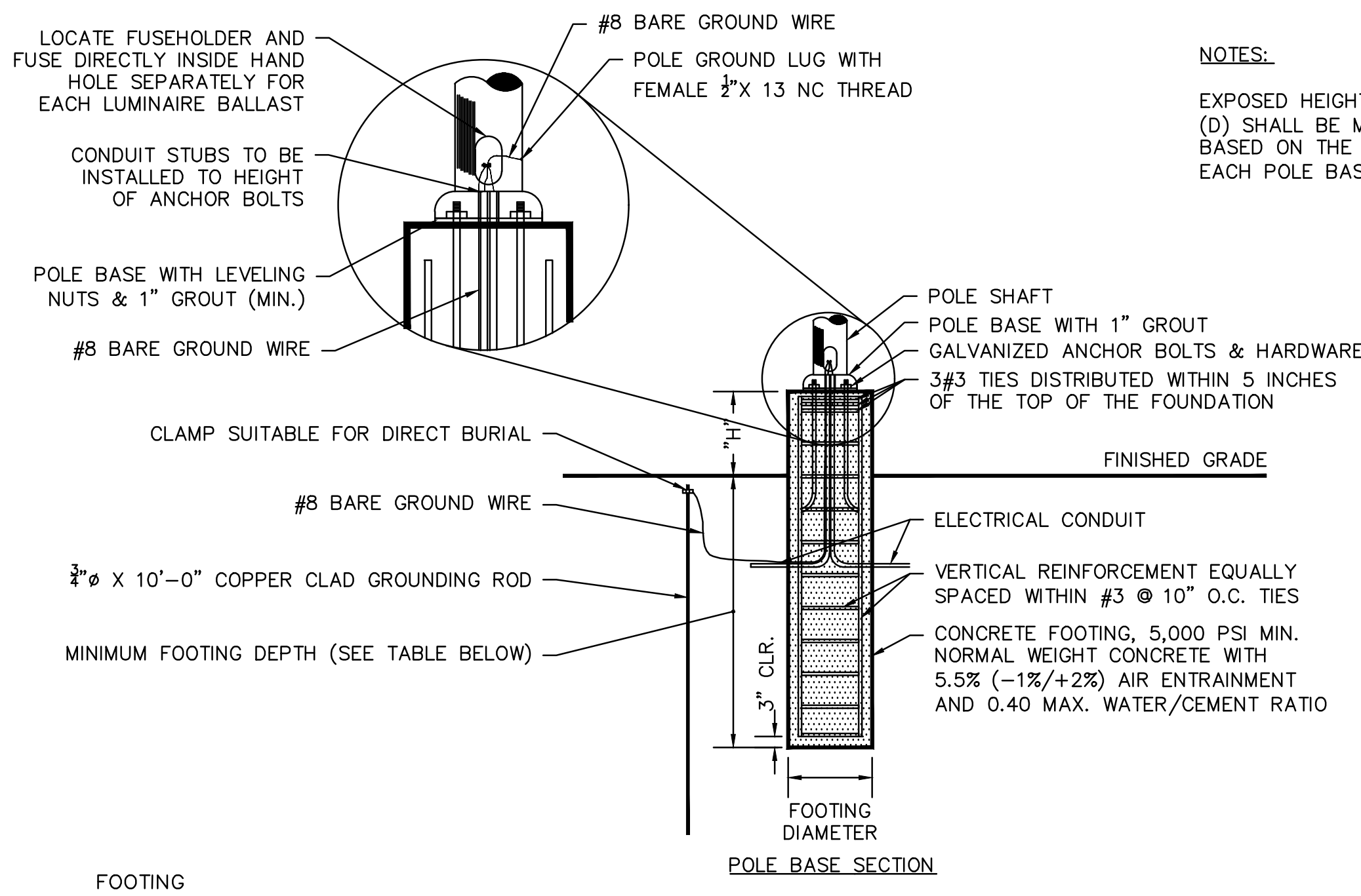
15. CONTRACTOR TO OPERATE EACH LUMINAIRE AFTER INSTALLATION AND CONNECTION. INSPECT FOR IMPROPER CONNECTIONS AND OPERATION.
16. CONTRACTOR TO AIM AND ADJUST ALL LUMINAIRES TO PROVIDE ILLUMINATION LEVELS AND DISTRIBUTION AS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT AND/OR OWNER.
17. CONTRACTOR TO CONFIRM THAT LIGHT FIXTURES, TILT ANGLE AND AIMING MATCH SPECIFICATIONS ON THE PLANS.

ALTERNATES WILL NOT BE ACCEPTED


LIGHT FIXTURE; REFER TO SITE LIGHTING SCHEDULE FOR SPECIFIC CONFIGURATIONS
SEE SITE LIGHTING SCHEDULE FOR FIXTURE MOUNTING HEIGHT
3'–0"
CURB
CONCRETE FOUNDATION
FINISHED GRADE
SECTION

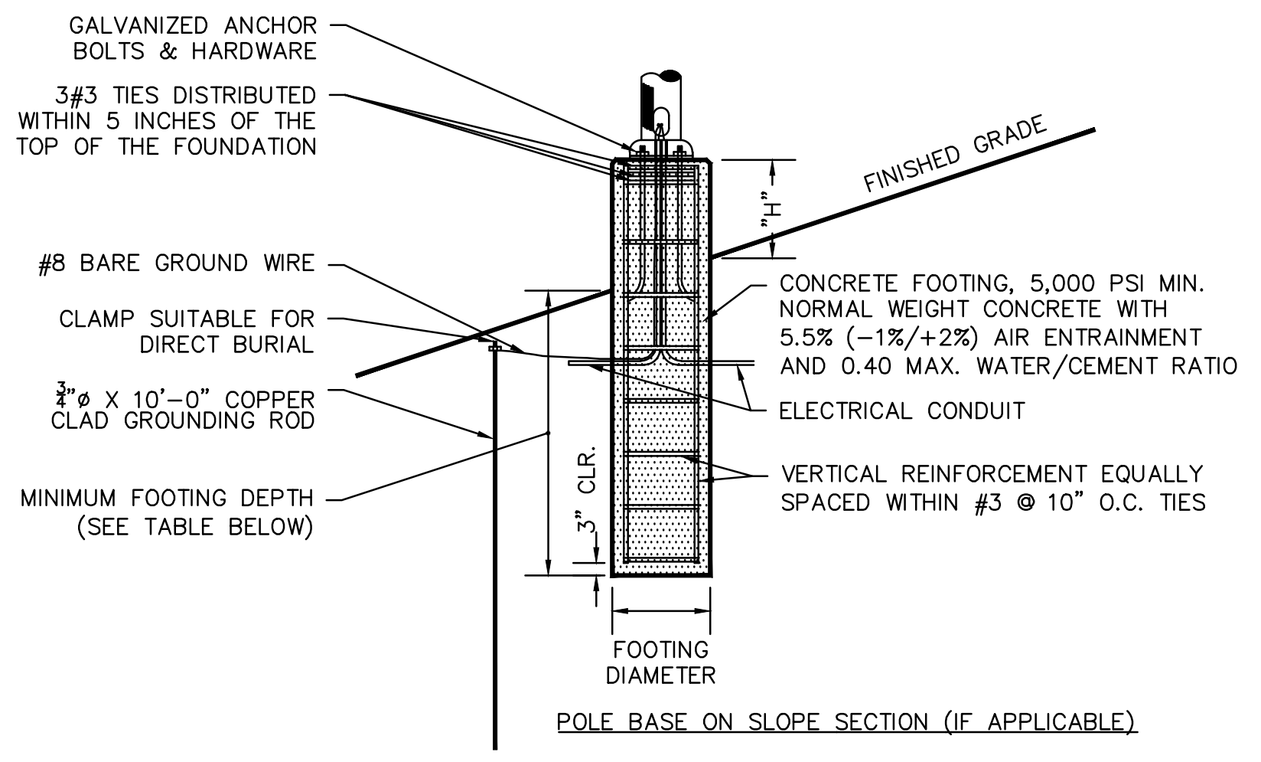
NOTE: CURB LOCATION IS SHOWN FOR SCHEMATIC PURPOSE. LIGHT POLES SHALL BE LOCATED PER THE LIGHTING PLANS, IF THERE IS A CONFLICT.

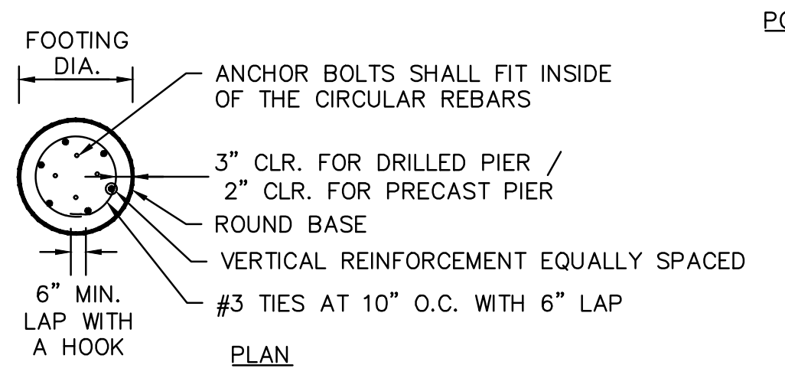
LIGHT FIXTURE AND POLE NTS


LOCATE FUSEHOLDER AND FUSE DIRECTLY INSIDE HAND HOLE SEPARATELY FOR EACH LUMINAIRE BALLAST
#8 BARE GROUND WIRE
POLE GROUND LUG WITH FEMALE ½"X 13 NC THREAD
CONDUIT STUBS TO BE INSTALLED TO HEIGHT OF ANCHOR BOLTS
POLE BASE WITH LEVELING NUTS & 1" GROUT (MIN.)
#8 BARE GROUND WIRE
POLE SHAFT
POLE BASE WITH 1" GROUT
GALVANIZED ANCHOR BOLTS & HARDWARE
3#3 TIES DISTRIBUTED WITHIN 5 INCHES OF THE TOP OF THE FOUNDATION
CLAMP SUITABLE FOR DIRECT BURIAL
"H"
FINISHED GRADE
#8 BARE GROUND WIRE
ELECTRICAL CONDUIT
¾"ø X 10'–0" COPPER CLAD GROUNDING ROD
VERTICAL REINFORCEMENT EQUALLY SPACED WITHIN #3 @ 10" O.C. TIES
MINIMUM FOOTING DEPTH (SEE TABLE BELOW)
CONCRETE FOOTING, 5,000 PSI MIN. NORMAL WEIGHT CONCRETE WITH 5.5% (–1%/+2%) AIR ENTRAINMENT AND 0.40 MAX. WATER/CEMENT RATIO
3" CLR.
FOOTING DIAMETER
POLE BASE SECTION

NOTES:

EXPOSED HEIGHT OF POLE BASE (H) SHALL BE MEASURED ON THE UPHILL SIDE OF A SLOPE. FOOTING DEPTH (D) SHALL BE MEASURED ON THE DOWNHILL SIDE OF A SLOPE. AN ADDITIONAL VARIABLE HEIGHT (V) WILL BE BASED ON THE SLOPE ON WHICH THE POLE BASE IS LOCATED. CONTRACTOR TO CALCULATE FULL LENGTH OF EACH POLE BASE REQUIRED ON SLOPES (H+D+V = TOTAL BASE LENGTH)


GALVANIZED ANCHOR BOLTS & HARDWARE
3#3 TIES DISTRIBUTED WITHIN 5 INCHES OF THE TOP OF THE FOUNDATION
FINISHED GRADE
"H"
#8 BARE GROUND WIRE
CLAMP SUITABLE FOR DIRECT BURIAL
¾"ø X 10'–0" COPPER CLAD GROUNDING ROD
MINIMUM FOOTING DEPTH (SEE TABLE BELOW)
CONCRETE FOOTING, 5,000 PSI MIN. NORMAL WEIGHT CONCRETE WITH 5.5% (–1%/+2%) AIR ENTRAINMENT AND 0.40 MAX. WATER/CEMENT RATIO
ELECTRICAL CONDUIT
VERTICAL REINFORCEMENT EQUALLY SPACED WITHIN #3 @ 10" O.C. TIES
3" CLR.
FOOTING DIAMETER
POLE BASE ON SLOPE SECTION (IF APPLICABLE)


FOOTING DIA.
ANCHOR BOLTS SHALL FIT INSIDE OF THE CIRCULAR REBARS
3" CLR. FOR DRILLED PIER / 2" CLR. FOR PRECAST PIER
ROUND BASE
VERTICAL REINFORCEMENT EQUALLY SPACED
6" MIN. LAP WITH A HOOK
#3 TIES AT 10" O.C. WITH 6" LAP
PLAN

NOTES:

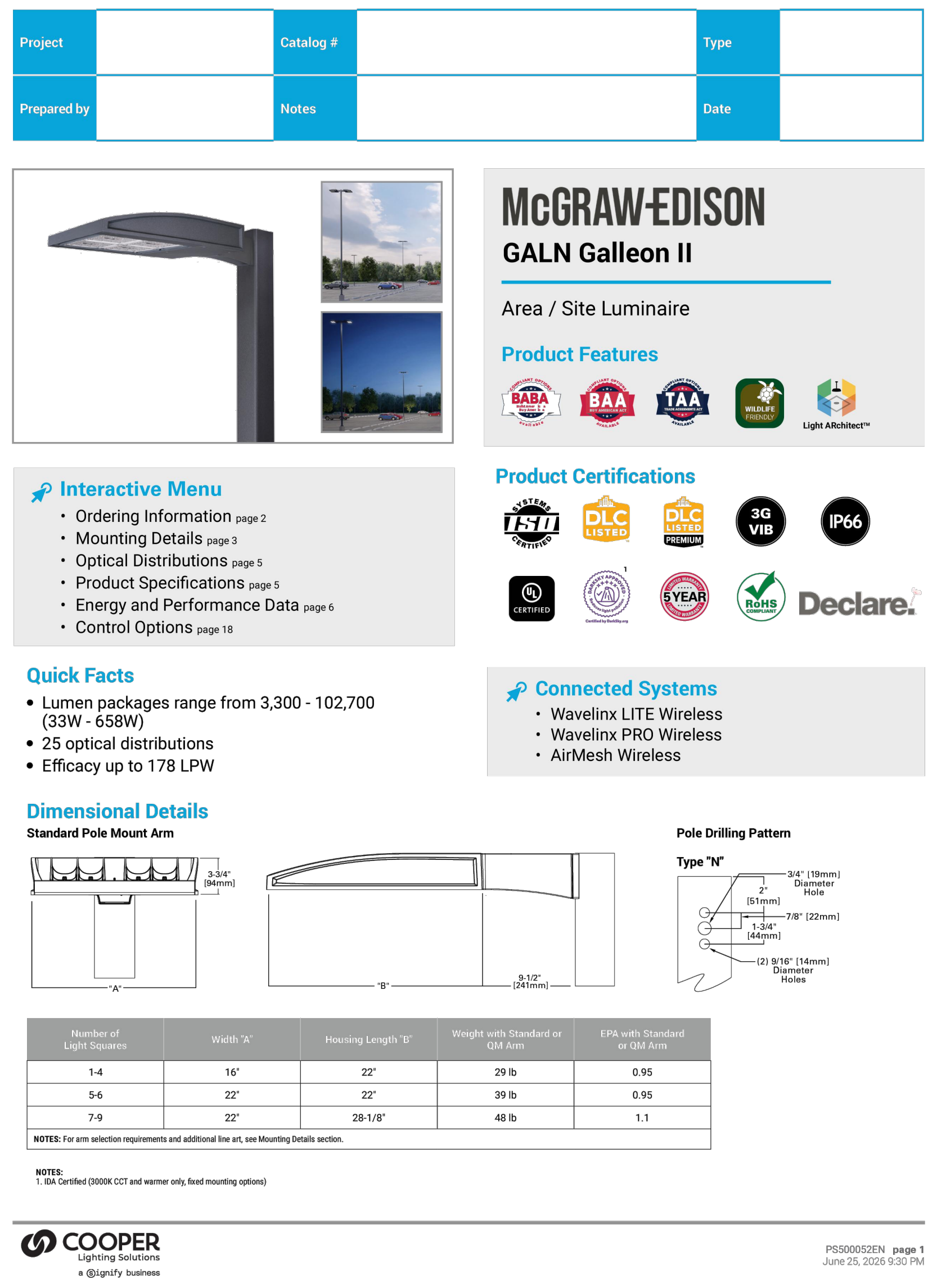
1. SHAFT CAP, ARMS, BASE FLANGE, ANCHOR BOLTS, LEVELING NUTS, CONNECTION HARDWARE, BOLT COVERS, HANDHOLE COVER, AND BOLT CIRCLE TEMPLATE SHALL BE FURNISHED BY POLE MANUFACTURER.
2. EACH STANDARD TO BE PROTECTED AGAINST LIGHTNING WITH AN INTERCONNECTED GROUND ROD. THIS ROD SHALL BE BONDED PER SECTION NUMBER 250–86, N.E.C.
3. CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENT OF ACI 318. CAST–IN–PLACE SHALL HAVE UNCONFINED COMPRESSIVE STRENGTH OF AT LEAST 5,000 PSI AT 28–DAYS. DEFORMED REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60.
4. CONTRACTOR TO ENSURE CONCRETE POLE BASES ARE POURED / PLACED ABSOLUTELY VERTICAL & LEVEL.
5. IF POLE BASE IS CAST–IN–PLACE, POLE BASE SHALL BE ONE CONTINUOUS POUR. EXPOSED PORTION OF BASE SHALL BE HAND–RUBBED SMOOTH.
6. CONTRACTOR TO COMPACT SUBGRADE AROUND POLE BASE PER EARTHWORK SPECIFICATIONS / GEOTECH REPORT.
7. CONTRACTOR TO CONFIRM GROUNDING DESIGN WITH MEP.

MOUNTING HEIGHT	FOOTING DEPTH	FOOTING DIAMETER	EXPOSED HEIGHT "H"	VERTICAL REINFORCEMENT
24'–0"	5'–0"	2'–0"	3'–0"	6#5 BARS

NOTE:

THE INFORMATION ILLUSTRATED IN THE LIGHT POLE FOUNDATION DETAIL HAS BEEN PROVIDED FOR GENERAL REFERENCE AND PRELIMINARY COST ESTIMATE PURPOSES. LIGHT POLE FOUNDATIONS SHOULD BE DESIGNED AND DETAILED BY A LICENSED STRUCTURAL ENGINEER BASED ON EXISTING SOIL CONDITIONS, LOCAL DESIGN STANDARDS AND MANUFACTURERS RECOMMENDATIONS.

LIGHT POLE BASE NTS



Project		Catalog #		Type	
Prepared by		Notes		Date	

McGRAW-EDISON

GALN Galleon II

Area / Site Luminaire

Product Features

Product Certifications

Interactive Menu
- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 18

Quick Facts
- Lumen packages range from 3,300 - 102,700 (33W - 658W)
- 25 optical distributions
- Efficacy up to 178 LPW

Connected Systems
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm

Pole Drilling Pattern

Type "N"

Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

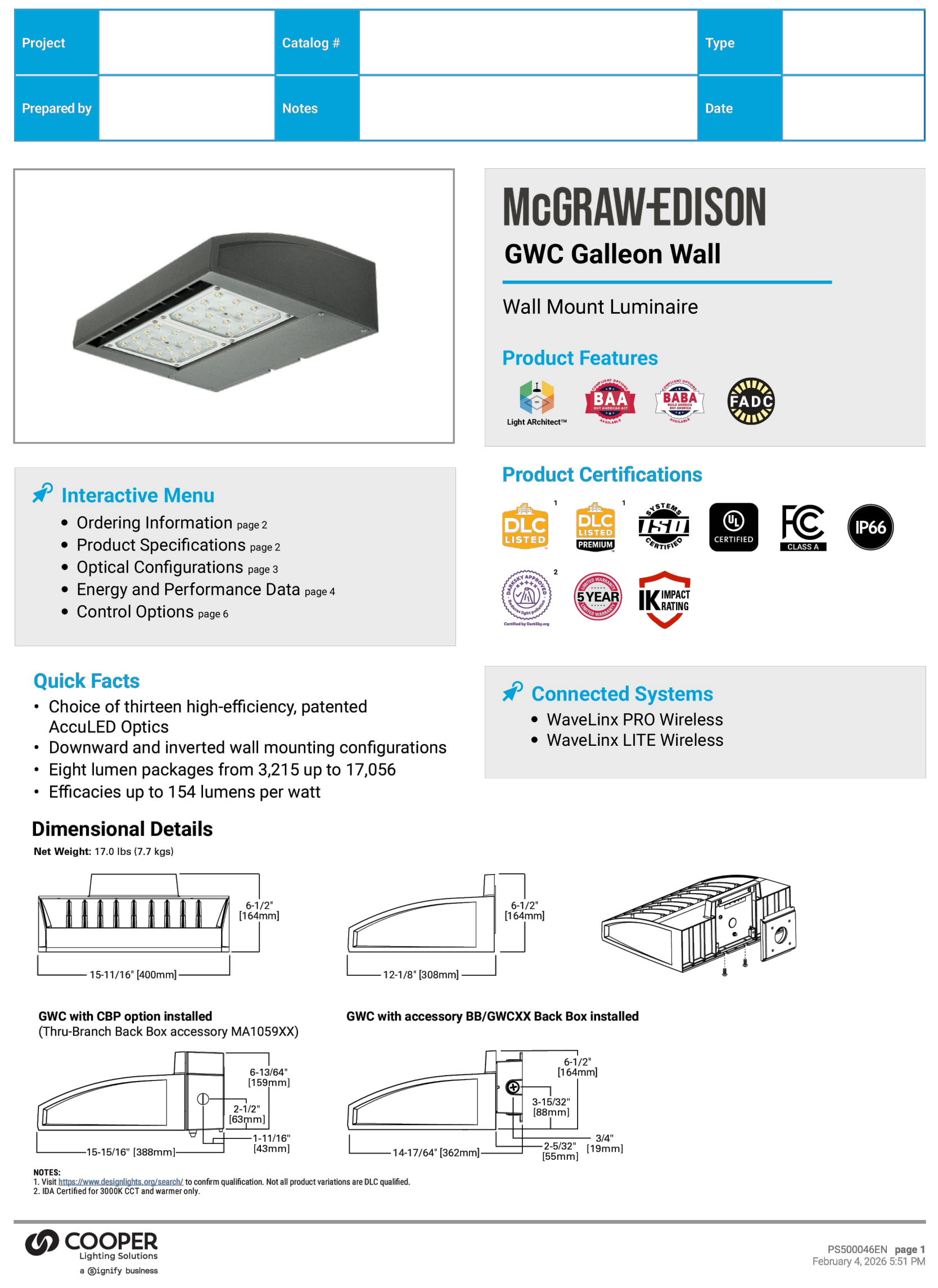
NOTES:
1. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions a signify business

PS500052EN page 1
June 25, 2026 9:30 PM

Light ARchitect™
3-3/4" [94mm]
"A"
"B"
9-1/2" [241mm]
3/4" [19mm] Diameter Hole
2" [51mm]
7/8" [22mm]
1-3/4" [44mm]
(2) 9/16" [14mm] Diameter Holes

AREA LIGHT FIXTURE NTS



Project		Catalog #		Type	
Prepared by		Notes		Date	

McGRAW-EDISON

GWC Galleon Wall

Wall Mount Luminaire

Product Features

Product Certifications

Interactive Menu
- Ordering Information page 2
- Product Specifications page 2
- Optical Configurations page 3
- Energy and Performance Data page 4
- Control Options page 6

Quick Facts
- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

Net Weight: 17.0 lbs (7.7 kgs)

GWC with CBP option installed (Thru-Branch Back Box accessory MA1059XX)

GWC with accessory BB/GWCXX Back Box installed

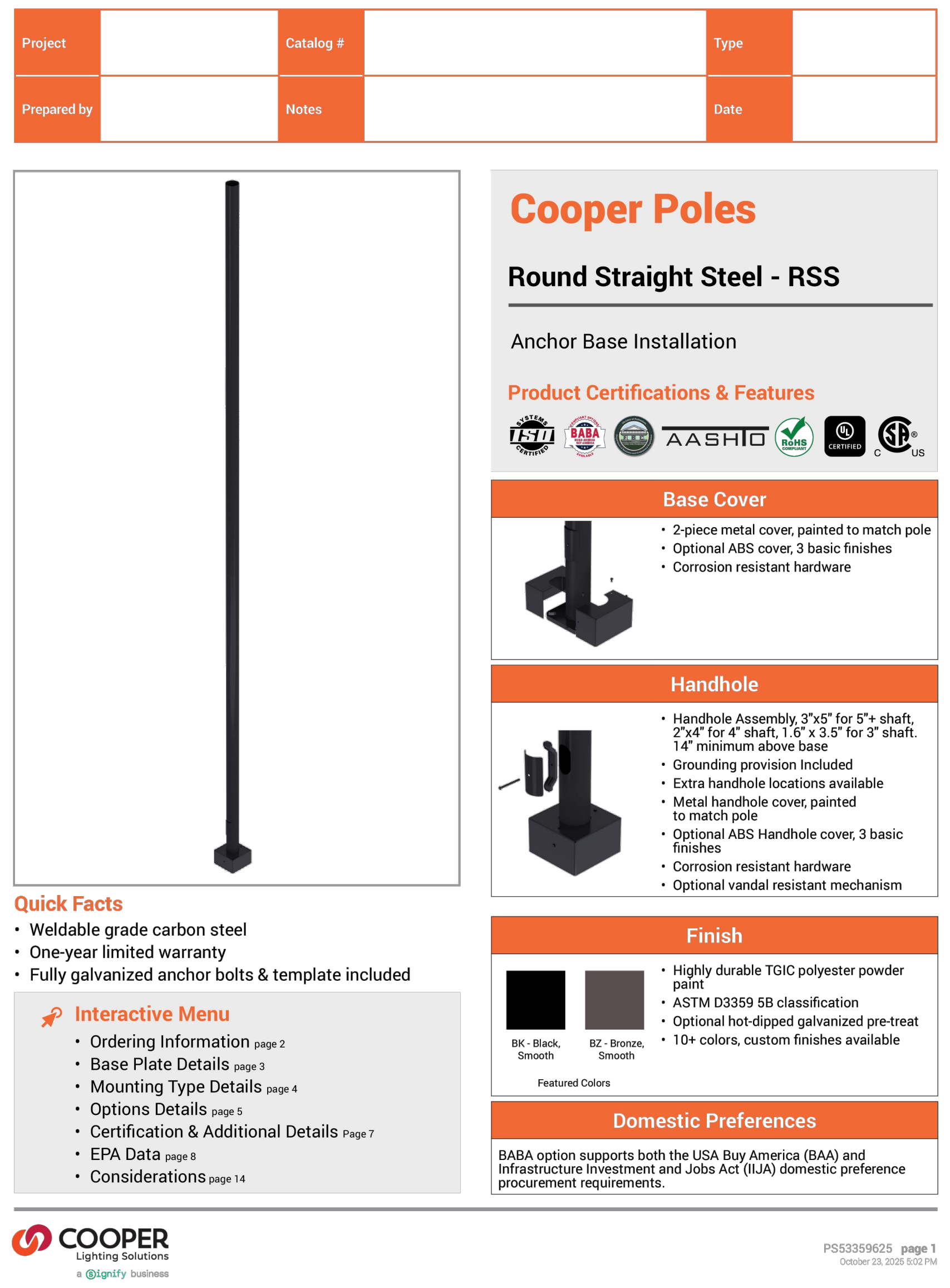
NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

COOPER Lighting Solutions a signify business

PS500046EN page 1
February 4, 2026 5:51 PM

Light ARchitect™
6-1/2" [164mm]
15-11/16" [400mm]
12-1/8" [308mm]
6-13/64" [159mm]
2-1/2" [63mm]
1-11/16" [43mm]
15-15/16" [388mm]
3-15/32" [88mm]
2-5/32" [55mm]
3/4" [19mm]
14-17/64" [362mm]

WALL LIGHT FIXTURE NTS



Project		Catalog #		Type	
Prepared by		Notes		Date	

Cooper Poles

Round Straight Steel - RSS

Anchor Base Installation

Product Certifications & Features

Base Cover
- 2-piece metal cover, painted to match pole
- Optional ABS cover, 3 basic finishes
- Corrosion resistant hardware

Handhole
- Handhole Assembly, 3"x5" for 5"+ shaft, 2"x4" for 4" shaft, 1.6" x 3.5" for 3" shaft. 14" minimum above base
- Grounding provision Included
- Extra handhole locations available
- Metal handhole cover, painted to match pole
- Optional ABS Handhole cover, 3 basic finishes
- Corrosion resistant hardware
- Optional vandal resistant mechanism

Finish
- Highly durable TGIC polyester powder paint
- ASTM D3359 5B classification
- Optional hot-dipped galvanized pre-treat
- 10+ colors, custom finishes available

BK - Black, Smooth
BZ - Bronze, Smooth
Featured Colors

Domestic Preferences

BABA option supports both the USA Buy America (BAA) and Infrastructure Investment and Jobs Act (IIJA) domestic preference procurement requirements.

Quick Facts
- Weldable grade carbon steel
- One-year limited warranty
- Fully galvanized anchor bolts & template included

Interactive Menu
- Ordering Information page 2
- Base Plate Details page 3
- Mounting Type Details page 4
- Options Details page 5
- Certification & Additional Details Page 7
- EPA Data page 8
- Considerations page 14

COOPER Lighting Solutions a signify business

PS53359625 page 1
October 23, 2025 5:02 PM

AREA LIGHT POLE NTS

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

LIGHTING NOTES & DETAILS

Project No.
102054601
Date
7/24/2026
Drawn By
GR/RS
Checked By
DB/JC/MF

Drawing No.
LL501

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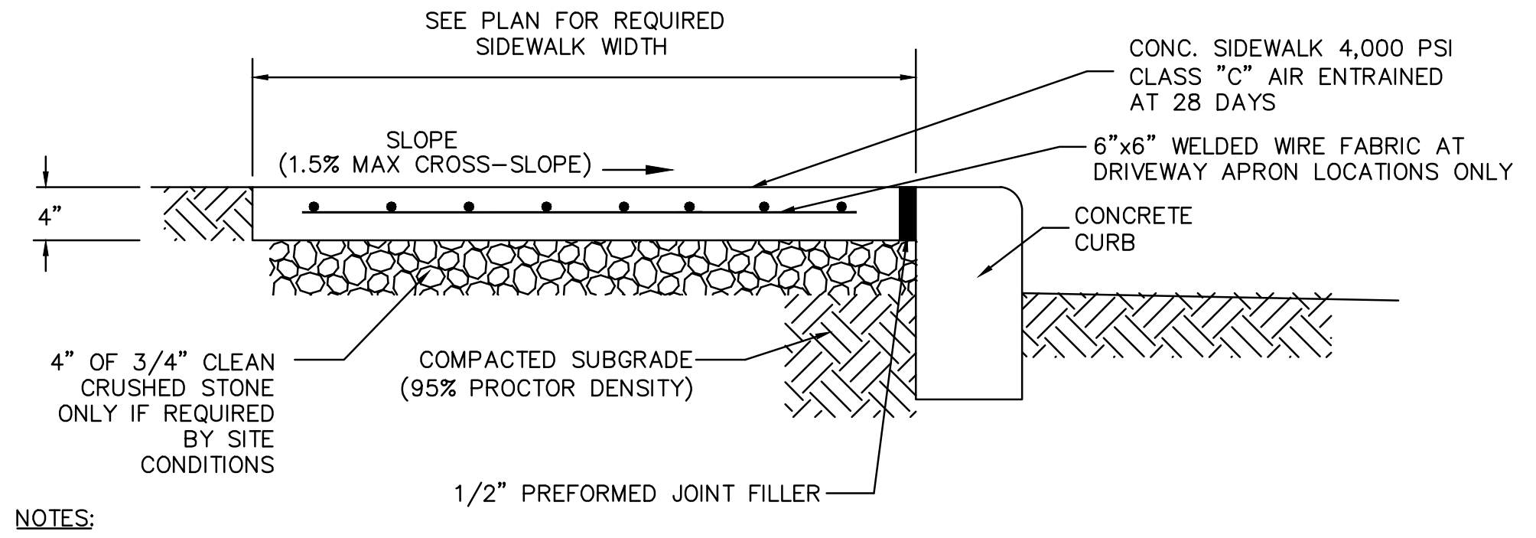
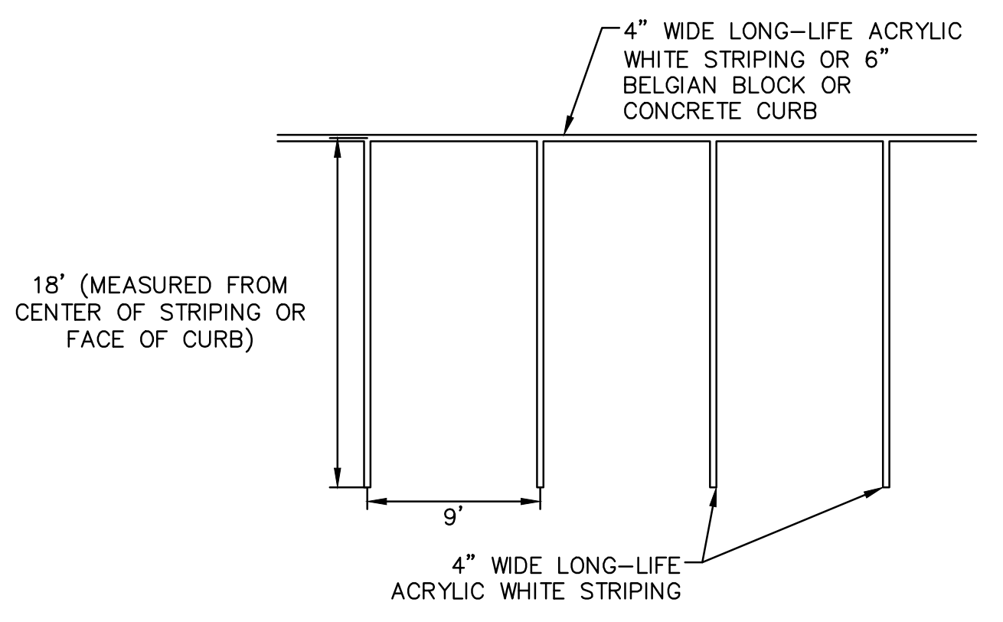

SEE PLAN FOR REQUIRED SIDEWALK WIDTH
CONC. SIDEWALK 4,000 PSI CLASS "C" AIR ENTRAINED AT 28 DAYS
SLOPE (1.5% MAX CROSS–SLOPE)
6"x6" WELDED WIRE FABRIC AT DRIVEWAY APRON LOCATIONS ONLY
4"
CONCRETE CURB
4" OF 3/4" CLEAN CRUSHED STONE ONLY IF REQUIRED BY SITE CONDITIONS
COMPACTED SUBGRADE (95% PROCTOR DENSITY)
1/2" PREFORMED JOINT FILLER

NOTES:

1. THE FORMS AND DIVIDERS SHALL BE OF STEEL OR WOOD AND OF SUFFICIENT STRENGTH TO RESIST SPRINGING OUT OF SHAPE; DEPTH OF FORMS SHALL BE AT LEAST THE THICKNESS OF CONCRETE AS SPECIFIED ON THIS DRAWING.
2. WALK SHALL BE OF MONOLITHIC CONSTRUCTION FOUR (4) INCHES THICK. TRANSVERSE SURFACE GROOVES MUST BE PROVIDED FOR AT RIGHT ANGLES TO THE SIDEWALK AND AT INTERVALS EQUAL TO WIDTH OF THE SIDEWALK.
3. AFTER THE CONCRETE IS PLACED IT SHALL BE TAMPED, SCREEDED AND FINISHED TO TRUE GRADE AND SURFACE. THE FINISH SHALL BE MADE WITH A WOOD FLOAT, FOLLOWED BY A BRUSHING WITH A WET SOFT HAIR BRUSH TO A NEAT WORKMANLIKE SURFACE.
4. TRANSVERSE EXPANSION JOINTS 1/2 INCH WIDE SHALL BE PROVIDED AT INTERVALS OF NOT LESS THAN 16 FEET AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER. SCORE LINES SHALL BE EVERY FOUR (4) FEET OR TO MATCH EXISTING ADJACENT SIDEWALK.
5. LONGITUDINAL JOINTS 1/2 INCH WIDE SHALL BE PROVIDED BETWEEN CURBS AND ABUTTING SIDEWALKS AND SHALL BE FILLED WITH PREFORMED BITUMINOUS TYPE FILLER.
6. DRIVEWAY APRON AND CONCRETE SIDEWALK IN FRONT OF UNIT 12 SHALL BE 6 INCHES THICK.

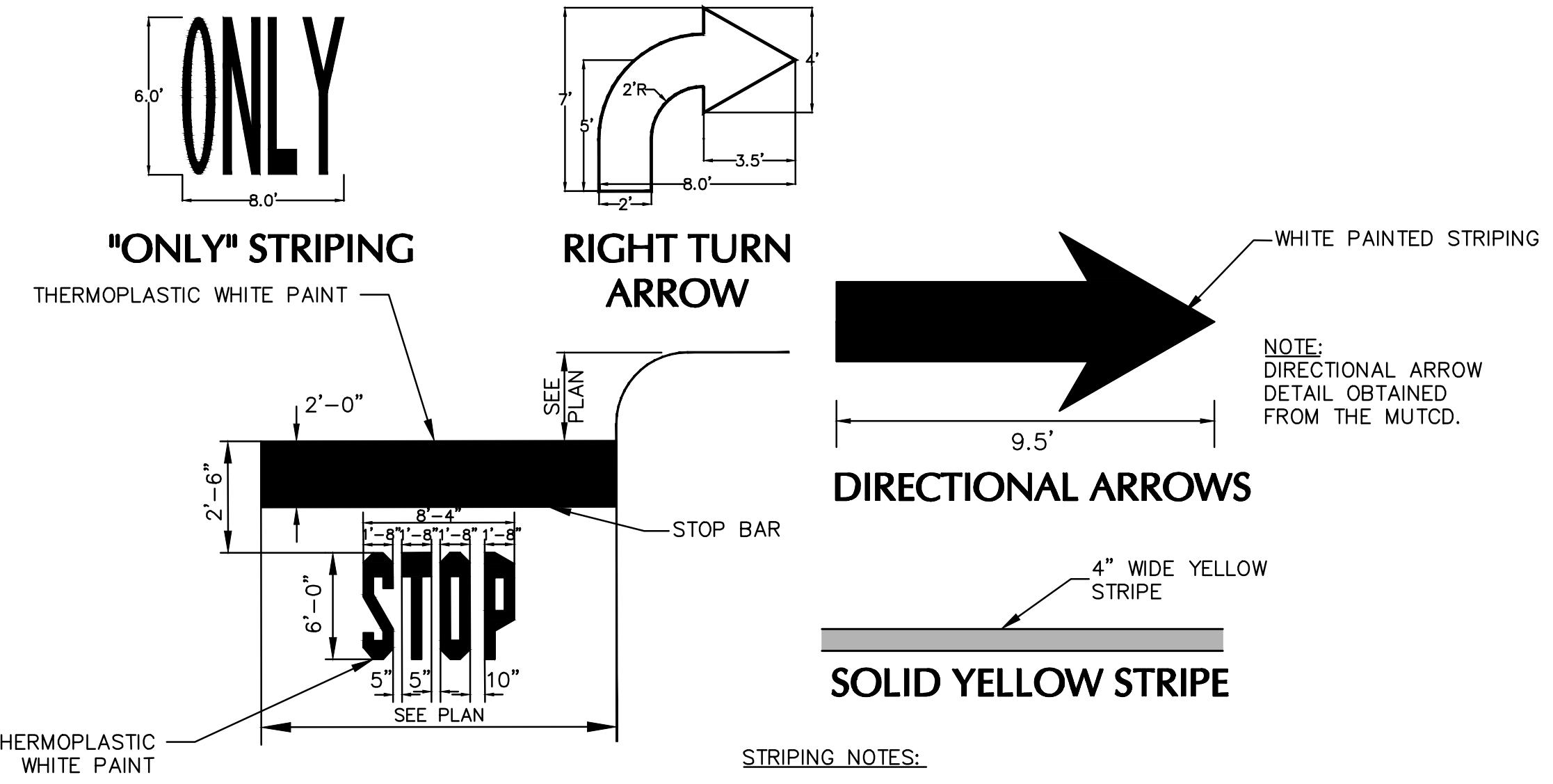
1 CONCRETE SIDEWALK

NTS


4" WIDE LONG–LIFE ACRYLIC WHITE STRIPING OR 6" BELGIAN BLOCK OR CONCRETE CURB
18' (MEASURED FROM CENTER OF STRIPING OR FACE OF CURB)
9'
4" WIDE LONG–LIFE ACRYLIC WHITE STRIPING

2 STANDARD CAR PARKING STRIPING

NTS


ONLY
6.0'
8.0'
"ONLY" STRIPING
7'
5'
2'R
4'
3.5'
8.0'
2'
RIGHT TURN ARROW
THERMOPLASTIC WHITE PAINT
2'–0"
SEE PLAN
2'–6"
8'–4"
1'–8" 1'–8" 1'–8" 1'–8"
STOP
6'–0"
5" 5" 10"
SEE PLAN
STOP BAR
THERMOPLASTIC WHITE PAINT
WHITE PAINTED STRIPING
NOTE: DIRECTIONAL ARROW DETAIL OBTAINED FROM THE MUTCD.
9.5'
DIRECTIONAL ARROWS
4" WIDE YELLOW STRIPE
SOLID YELLOW STRIPE

STOP BAR

STRIPING NOTES:

ALL STRIPING WITHIN THE PUBLIC RIGHT–OF–WAY SHALL BE THERMOPLASTIC PAINT.

ALL ON–SITE STRIPING MAY BE PAINTED LONG LIFE ACRYLIC OR THERMOPLASTIC.

3 PAVEMENT MARKINGS

NTS

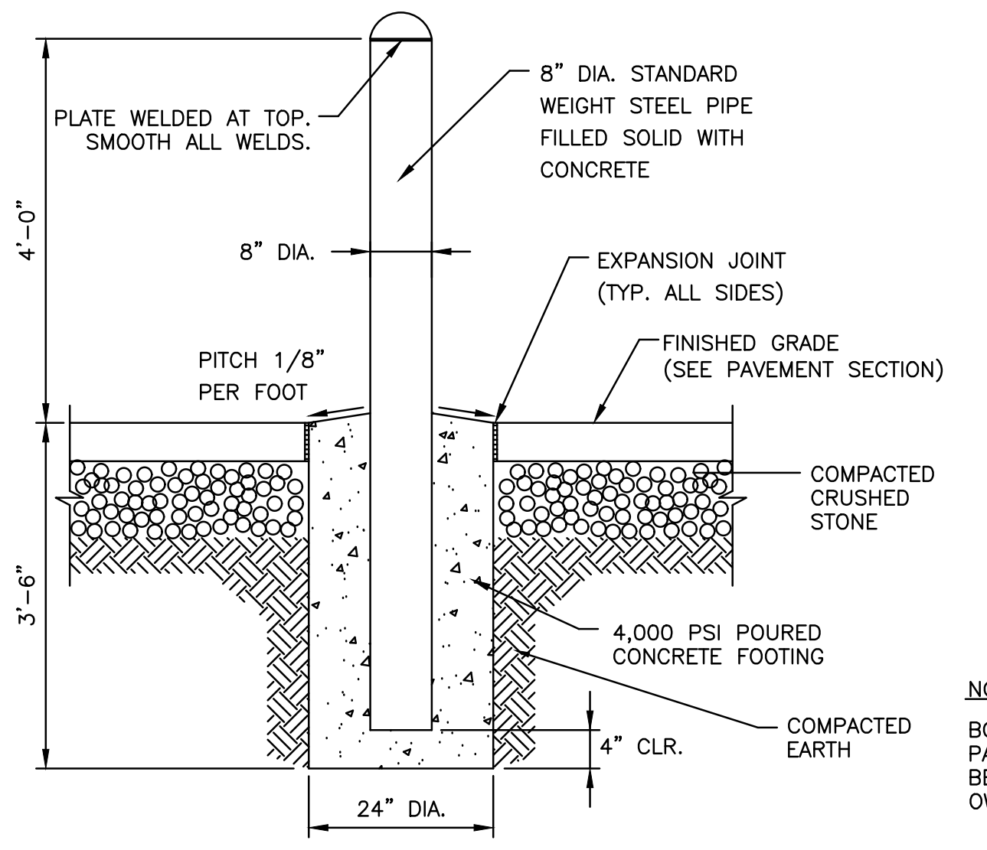
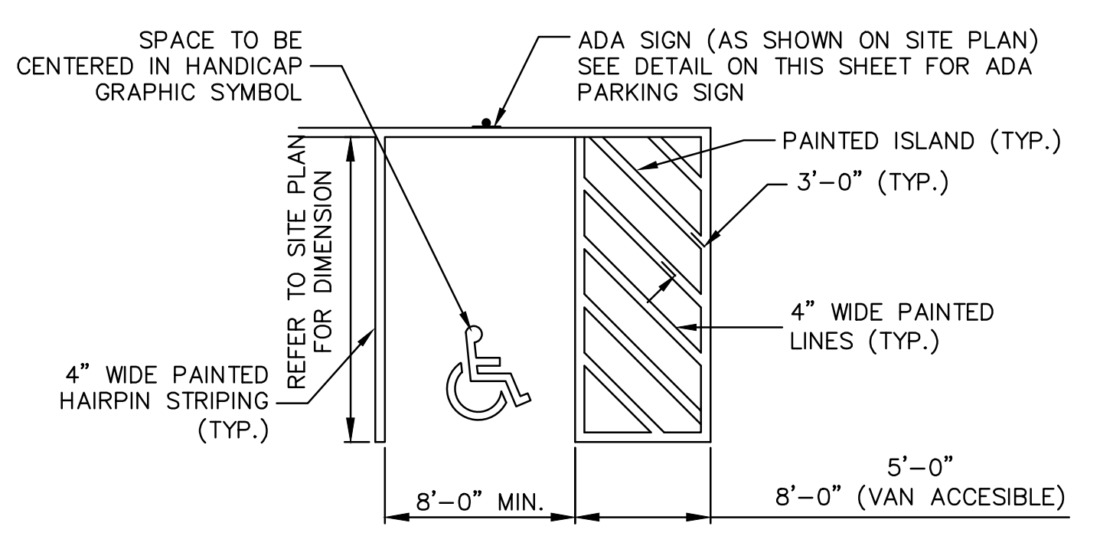


PLATE WELDED AT TOP. SMOOTH ALL WELDS.
8" DIA. STANDARD WEIGHT STEEL PIPE FILLED SOLID WITH CONCRETE
4'–0"
8" DIA.
EXPANSION JOINT (TYP. ALL SIDES)
PITCH 1/8" PER FOOT
FINISHED GRADE (SEE PAVEMENT SECTION)
COMPACTED CRUSHED STONE
3'–6"
4,000 PSI POURED CONCRETE FOOTING
COMPACTED EARTH
4" CLR.
24" DIA.

NOTE:
BOLLARD TO BE PAINTED, COLOR TO BE SELECTED BY OWNER.

4 STEEL BOLLARD

NTS

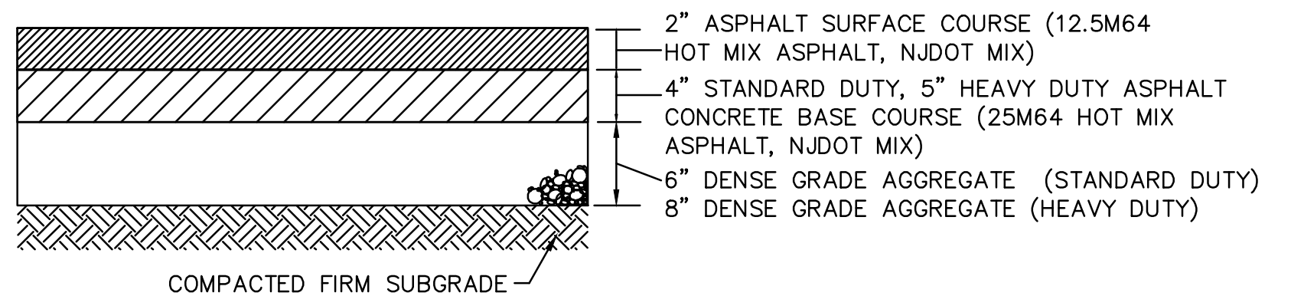

SPACE TO BE CENTERED IN HANDICAP GRAPHIC SYMBOL
ADA SIGN (AS SHOWN ON SITE PLAN) SEE DETAIL ON THIS SHEET FOR ADA PARKING SIGN
PAINTED ISLAND (TYP.)
3'–0" (TYP.)
REFER TO SITE PLAN FOR DIMENSION
4" WIDE PAINTED LINES (TYP.)
4" WIDE PAINTED HAIRPIN STRIPING (TYP.)
8'–0" MIN.
5'–0"
8'–0" (VAN ACCESIBLE)

NOTES:

1. REFER TO SITE PLAN FOR DIMENSIONS OF EACH PROPOSED ADA PARKING STALL.
2. ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248 TYPE F, PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER.
3. SYMBOLS & PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
4. THE MINIMUM DIMENSIONS ARE SHOWN. STATE REGULATORS MAY REQUIRE LARGER DIMENSIONS.
5. APPLY 2 COATS OF TRAFFIC PAINT. ALLOW FOR MINIMUM CURE TIME OF 24 HOURS BETWEEN APPLICATIONS.
6. SYMBOLS & PARKING STALLS TO BE PAINTED BLUE.

5 ACCESSIBLE PARKING STALL STRIPING

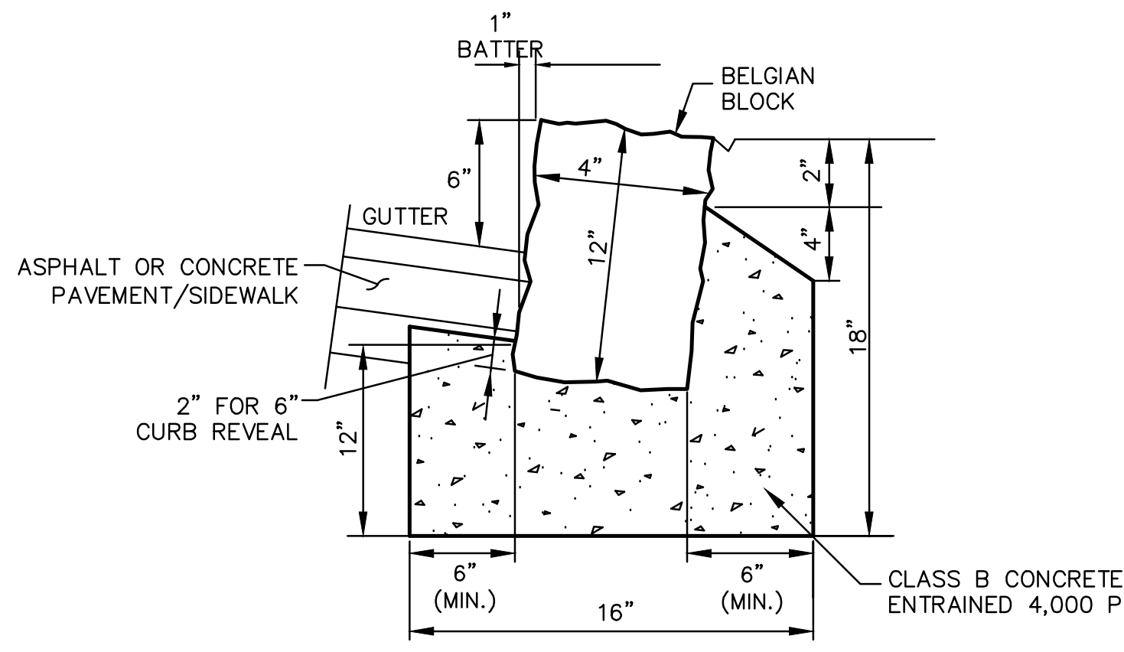
NTS


2" ASPHALT SURFACE COURSE (12.5M64 HOT MIX ASPHALT, NJDOT MIX)
4" STANDARD DUTY, 5" HEAVY DUTY ASPHALT CONCRETE BASE COURSE (25M64 HOT MIX ASPHALT, NJDOT MIX)
6" DENSE GRADE AGGREGATE (STANDARD DUTY)
8" DENSE GRADE AGGREGATE (HEAVY DUTY)
COMPACTED FIRM SUBGRADE

NOTES:
1. PRIOR TO ANY PAVING ACTIVITIES, THE SUBGRADE OR SUBBASE SHALL BE PROOF ROLLED.
2. PAVING BASECOURSE SHALL BE CONSTRUCTED IN LAYERS NOT LESS THAN 2 INCHES AND NOT MORE THAN 5 INCHES THICK PER LIFT.
3. ALL AREAS TO BE PAVED SHALL BE PROOFROLLED WITH AT LEAST 4 PASSES OF EITHER A SMOOTH ROLLER HAVING A MINIMUM STATIC DRUM WEIGHT OF 5–TONS OR A FULLY LOADED TANDEM DUMP TRUCK. ANY SOFT AREAS SHALL BE REMOVED AND REPLACED WITH CLEAN, GRANULAR, FREE–DRAINING SOIL. FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 12–INCHES AND SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D–1557.

6 ASPHALT PAVEMENT (ON-SITE)

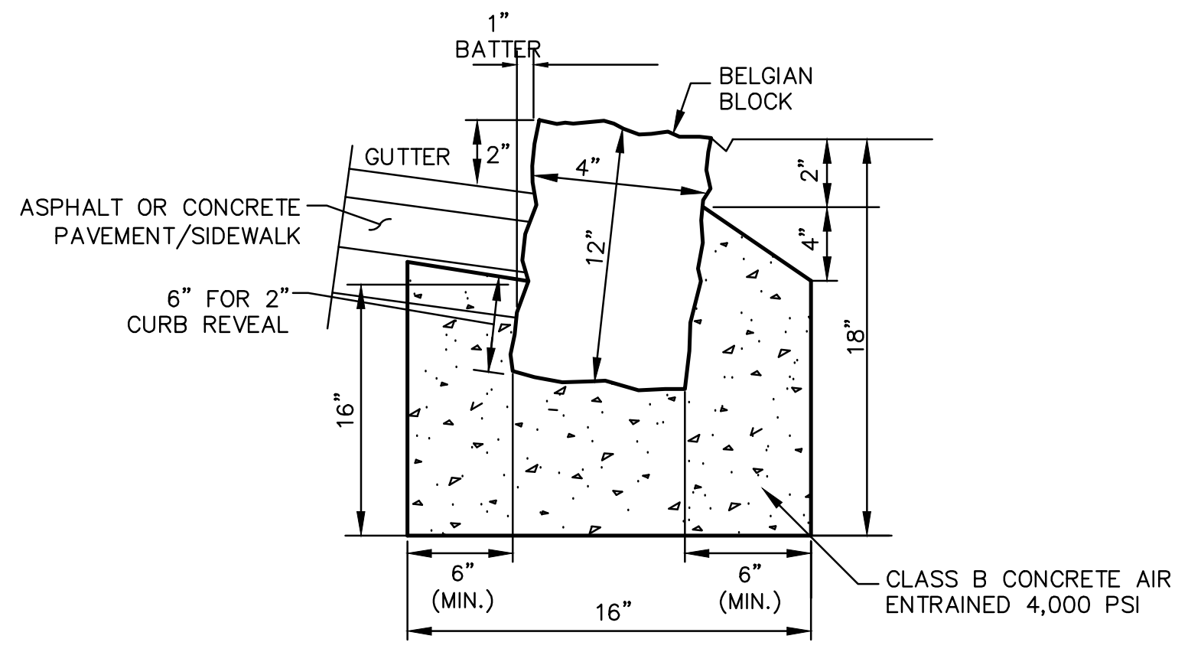
NTS


1" BATTER
BELGIAN BLOCK
6"
4"
GUTTER
ASPHALT OR CONCRETE PAVEMENT/SIDEWALK
12"
2"
4"
18"
2" FOR 6" CURB REVEAL
12"
6" (MIN.)
16"
6" (MIN.)
CLASS B CONCRETE AIR ENTRAINED 4,000 PSI

NOTES:
1. ON TRANSITIONS FROM AND TO PROPOSED CURB, USE ONE LARGE BLOCK SLOPED AND CUT TO FIT.
2. CURB IMMEDIATELY ADJACENT TO INLET CASTING MUST HAVE PREFORMED EXPANSION MATERIAL.
3. JOINTS MUST BE APPROXIMATELY ½" TO ¾" WIDE (MAXIMUM) AND POINTED WITH 1:2 CEMENT AND MORTAR.

7 BELGIAN BLOCK CURB

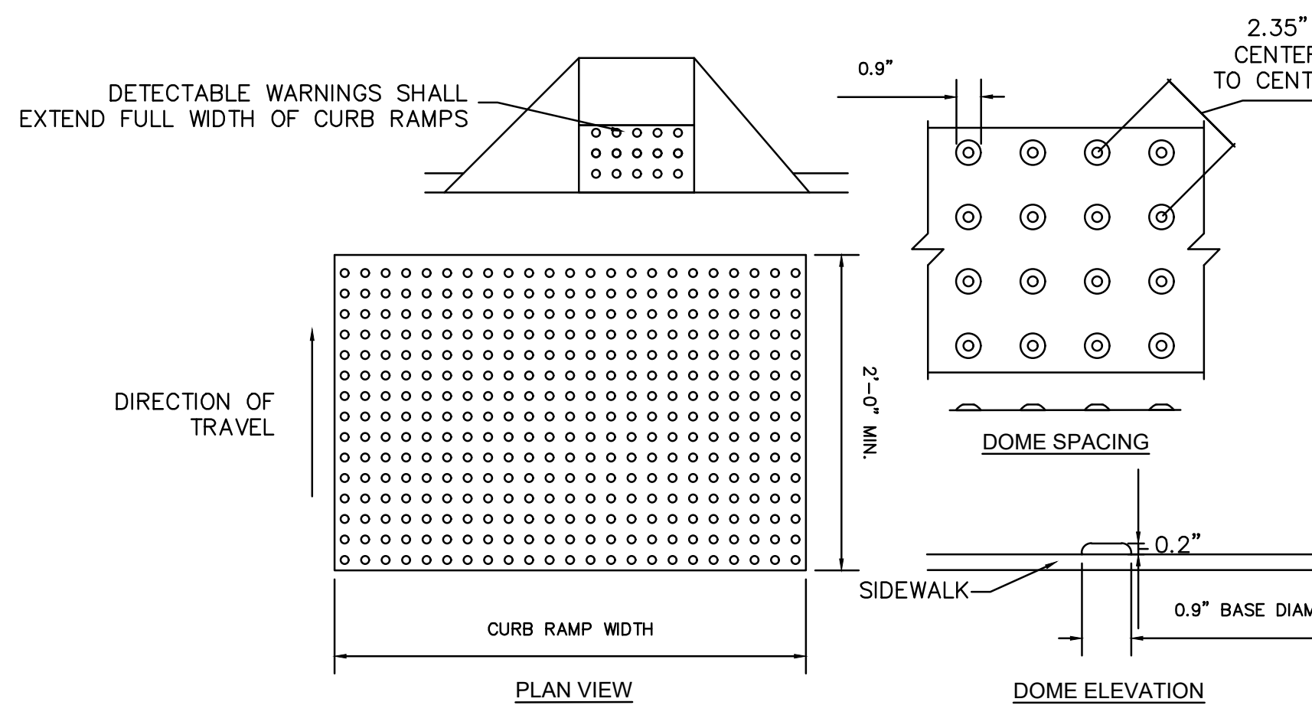
NTS


1" BATTER
BELGIAN BLOCK
GUTTER
2"
4"
ASPHALT OR CONCRETE PAVEMENT/SIDEWALK
12"
2"
4"
18"
6" FOR 2" CURB REVEAL
16"
6" (MIN.)
16"
6" (MIN.)
CLASS B CONCRETE AIR ENTRAINED 4,000 PSI

NOTES:
1. ON TRANSITIONS FROM AND TO PROPOSED CURB, USE ONE LARGE BLOCK SLOPED AND CUT TO FIT.
2. CURB IMMEDIATELY ADJACENT TO INLET CASTING MUST HAVE PREFORMED EXPANSION MATERIAL.
3. JOINTS MUST BE APPROXIMATELY ½" TO ¾" WIDE (MAXIMUM) AND POINTED WITH 1:2 CEMENT AND MORTAR.

8 DEPRESSED BELGIAN BLOCK CURB

NTS


DETECTABLE WARNINGS SHALL EXTEND FULL WIDTH OF CURB RAMPS
0.9"
2.35" CENTER TO CENTER
DIRECTION OF TRAVEL
2'–0" MIN.
DOME SPACING
0.2"
SIDEWALK
0.9" BASE DIAMETER
CURB RAMP WIDTH
PLAN VIEW
DOME ELEVATION

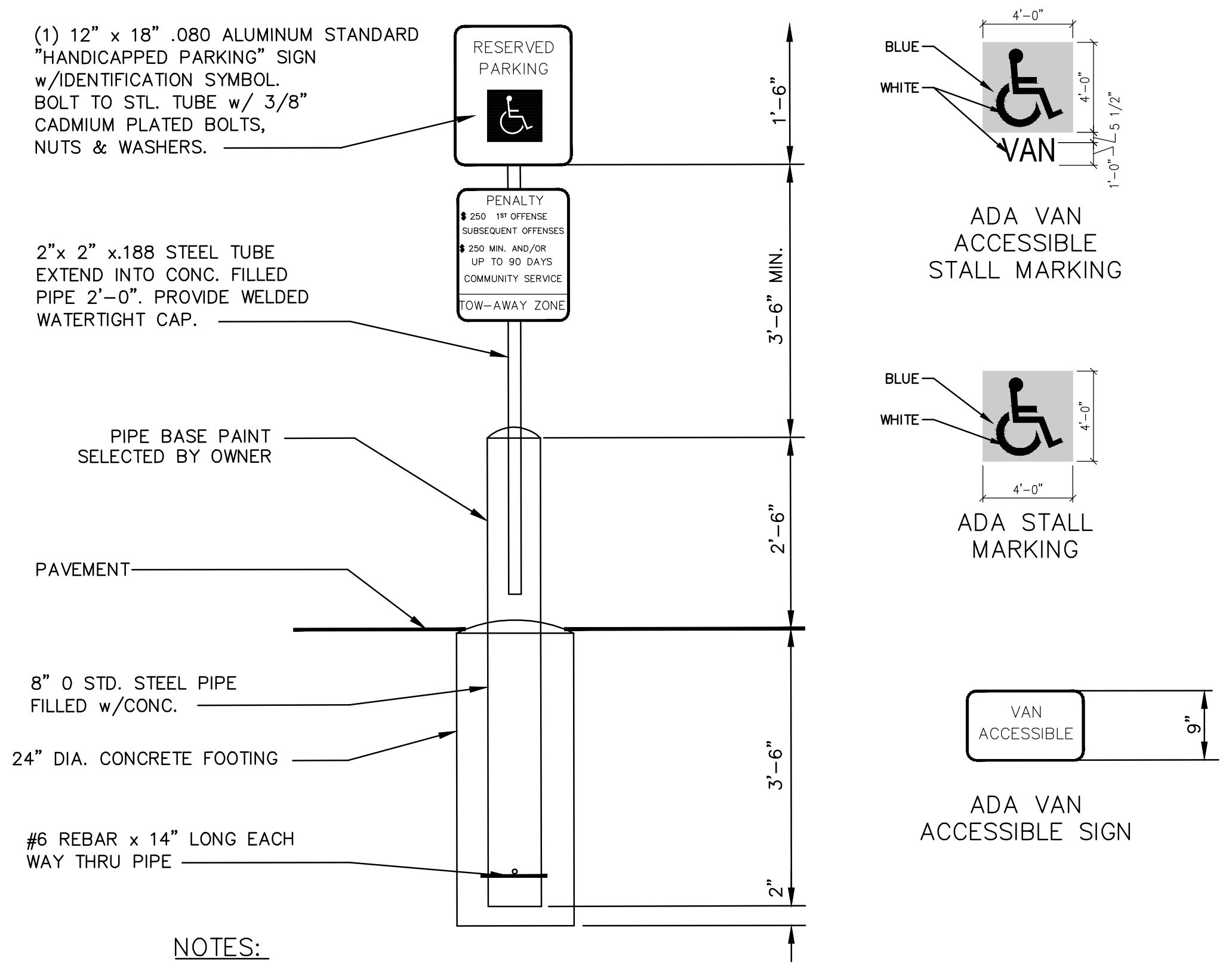
NOTES:

1. DETECTABLE WARNINGS SHALL BE CONSTRUCTED PER MANUFACTURER'S SPECIFICATIONS.
2. WIDTH OF DETECTABLE WARNING AREA SHALL BE FULL WIDTH OF RAMP.
3. LENGTH OF DETECTABLE WARNING AREA SHALL BE MINIMUM 2 FEET REGARDLESS OF SECTION WIDTH. FOR CURB RAMPS, THE DETECTABLE WARNING SHALL EXTEND THE FULL DEPTH OF THE RAMP AND COMPLY WITH ADAAG 4.29.2 AND PROWAG REQUIREMENTS.
4. DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN A CURB RADIUS.
5. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID PARALLEL ALIGNMENT IN THE PREDOMINANT DIRECTION OF OF TRAVEL TO PERMIT WHEELS TO TRAVEL BETWEEN DOMES.
6. DETECTABLE WARNING DOMES SHALL BE PLACED SO THE EDGE NEAREST THE CURB IS 6 INCHES TO 8 INCHES FROM CURB LINE.
7. MAT EDGES SHALL BE BEVELED TO ELIMINATE TRIP HAZARD.
8. DETECTABLE WARNING COLOR SHALL CONTRAST WITH ADJOINING SURFACES. CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR "SAFETY YELLOW" OR APPROVED EQUAL.
9. CONTRACTOR SHALL OBTAIN LOCAL AUTHORITY, OWNER'S ENGINEER, AND OWNER'S APPROVAL FOR COLOR AND MANUFACTURER PRIOR TO INSTALLATION.

***DETECTABLE WARNING SURFACE TO BE PROVIDED AT ALL ADA ACCESSIBLE RAMPS**

9 ADA DETECTABLE WARNING SURFACE

NTS

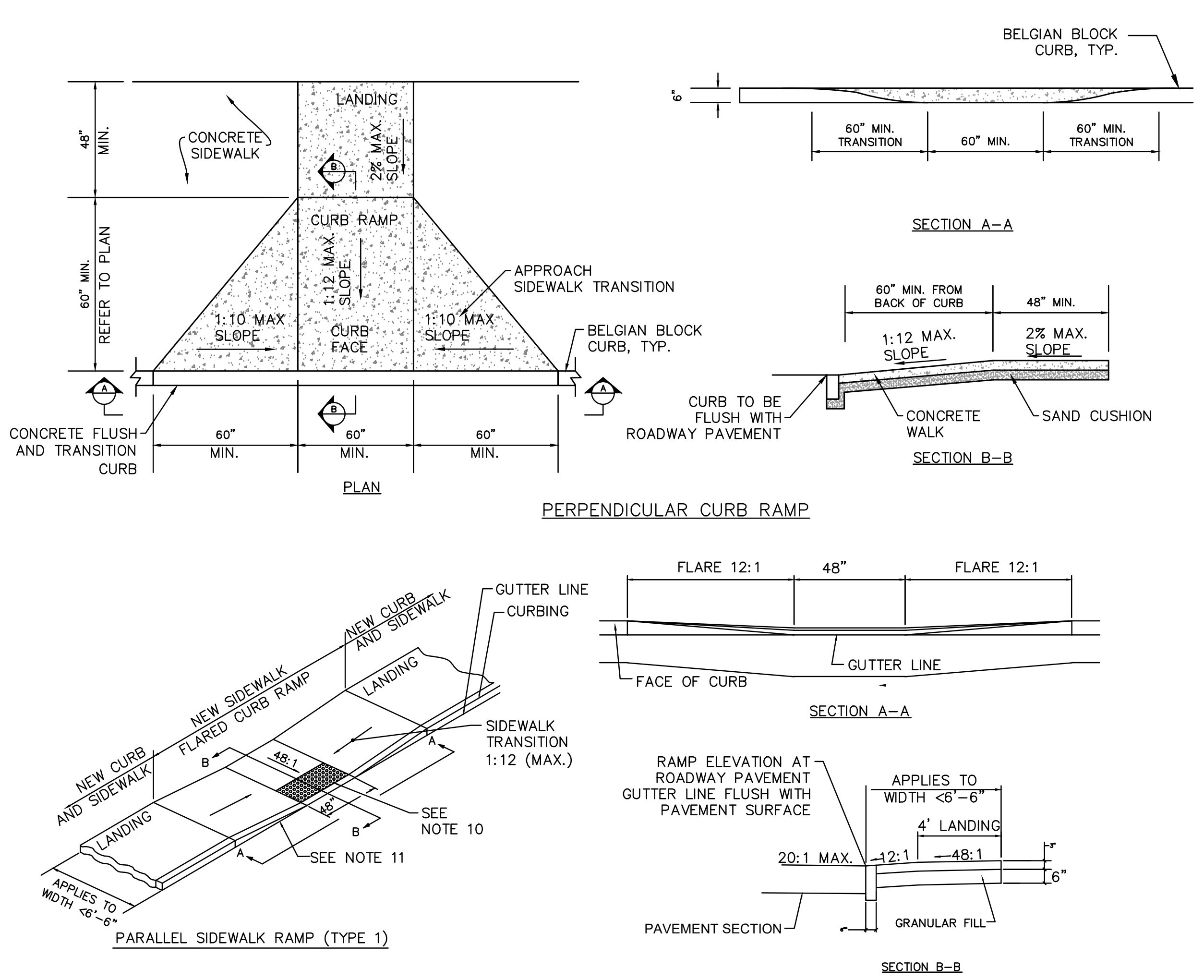

(1) 12" x 18" .080 ALUMINUM STANDARD "HANDICAPPED PARKING" SIGN w/IDENTIFICATION SYMBOL. BOLT TO STL. TUBE w/ 3/8" CADMIUM PLATED BOLTS, NUTS & WASHERS.
RESERVED PARKING
PENALTY
$ 250 1ST OFFENSE
SUBSEQUENT OFFENSES
$ 250 MIN. AND/OR UP TO 90 DAYS COMMUNITY SERVICE
TOW–AWAY ZONE
1'–6"
3'–6" MIN.
2"x 2" x.188 STEEL TUBE EXTEND INTO CONC. FILLED PIPE 2'–0". PROVIDE WELDED WATERTIGHT CAP.
PIPE BASE PAINT SELECTED BY OWNER
2'–6"
PAVEMENT
8" 0 STD. STEEL PIPE FILLED w/CONC.
24" DIA. CONCRETE FOOTING
3'–6"
#6 REBAR x 14" LONG EACH WAY THRU PIPE
2"
BLUE
WHITE
4'–0"
4'–0"
5 1/2"
1'–0"
VAN
ADA VAN ACCESSIBLE STALL MARKING
BLUE
WHITE
4'–0"
4'–0"
ADA STALL MARKING
VAN ACCESSIBLE
9"
ADA VAN ACCESSIBLE SIGN

NOTES:

1. ACCESSIBLE PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS.
2. ADD A "VAN ACCESSIBLE" SIGN WHERE APPLICABLE BETWEEN RESERVED PARKING SIGN AND PENALTY SIGN.
3. ALL SIGNS AND PAVEMENT STRIPING SHALL BE IN COMPLIANCE WITH THE CURRENT MUTCD.

10 ACCESSIBLE PARKING SIGN

NTS


48" MIN.
LANDING
CONCRETE SIDEWALK
2% MAX. SLOPE
B
60" MIN. REFER TO PLAN
CURB RAMP
1:12 MAX. SLOPE
APPROACH SIDEWALK TRANSITION
1:10 MAX SLOPE
CURB FACE
1:10 MAX SLOPE
BELGIAN BLOCK CURB, TYP.
A
CONCRETE FLUSH AND TRANSITION CURB
60" MIN.
60" MIN.
60" MIN.
PLAN
BELGIAN BLOCK CURB, TYP.
6"
60" MIN. TRANSITION
60" MIN.
60" MIN. TRANSITION
SECTION A–A
60" MIN. FROM BACK OF CURB
48" MIN.
1:12 MAX. SLOPE
2% MAX. SLOPE
CURB TO BE FLUSH WITH ROADWAY PAVEMENT
CONCRETE WALK
SAND CUSHION
SECTION B–B
PERPENDICULAR CURB RAMP
GUTTER LINE
CURBING
NEW CURB AND SIDEWALK
NEW SIDEWALK FLARED CURB RAMP
LANDING
NEW CURB AND SIDEWALK
SIDEWALK TRANSITION 1:12 (MAX.)
48:1
48"
SEE NOTE 10
SEE NOTE 11
LANDING
APPLIES TO WIDTH <6'–6"
PARALLEL SIDEWALK RAMP (TYPE 1)
FLARE 12:1
48"
FLARE 12:1
GUTTER LINE
FACE OF CURB
SECTION A–A
RAMP ELEVATION AT ROADWAY PAVEMENT GUTTER LINE FLUSH WITH PAVEMENT SURFACE
APPLIES TO WIDTH <6'–6"
4' LANDING
20:1 MAX.
12:1
48:1
6"
PAVEMENT SECTION
GRANULAR FILL
SECTION B–B

PROJECT SPECIFIC NOTES

1. CONTRACTOR TO REFER TO SITE PLAN DRAWING FOR PROJECT SPECIFIC LAYOUT.
2. CURB ALONG FLUSH LANDING AND FLARES TO BE CONCRETE.
3. REFER TO GRADING PLAN DRAWING FOR PROJECT SPECIFIC GRADES.

GENERAL NOTES FOR SIDEWALK RAMPS:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHOULD NOT EXCEED 20:1.
2. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE ALONG ACCESSIBLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT IN COMPLIANCE WITH ADA SECTION 4.5.
4. PERPENDICULAR SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
5. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT. 12:1 MAY NOT BE ACHIEVABLE DUE TO SIDEWALK GRADE. IN RECOGNITION OF THIS, A MINIMUM LIMIT OF 15' FOR A PARALLEL RAMP SHALL BE USED. REMOVAL SHALL NOT BE FURTHER THAN 2' FROM THE PROPOSED RAMP UNLESS DIRECTED BY THE ENGINEER.
6. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
7. TRANSITION TO FULL HEIGHT CURB. INSTALL STONE CURBING IF ADJACENT CURBING IS STONE. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.
8. INSTALL THE EDGE OF THE DETECTABLE WARNING 6" FROM THE EDGE OF ROAD (ALONG THE BACK OF CURB).
9. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID. IN THE DIRECTION OF PEDESTRIAN TRAVEL.
10. PROVIDE SHOP DRAWINGS FOR THE DETECTABLE WARNING STRIP FOR REVIEW AND APPROVAL. THE TILE SHALL CONFORM TO THE DIMENSIONS SHOWN ON THE PLANS. THE PREFABRICATED WARNING STRIP SHALL BE CAST–IN–PLACE IN THE CONCRETE CURB RAMP.
11. RADIAL DETECTABLE WARNING STRIPS TO BE PROVIDED AT LOCATIONS INDICATED ON PLANS.
12. THE BOTTOM OF THE RAMP SHALL MEET THE GUTTER LINE AT THE CURB FACE.

***DETECTABLE WARNING SURFACE TO BE PROVIDED AT ALL ADA ACCESSIBLE RAMPS**

11 ACCESSIBLE CONCRETE CURB RAMP

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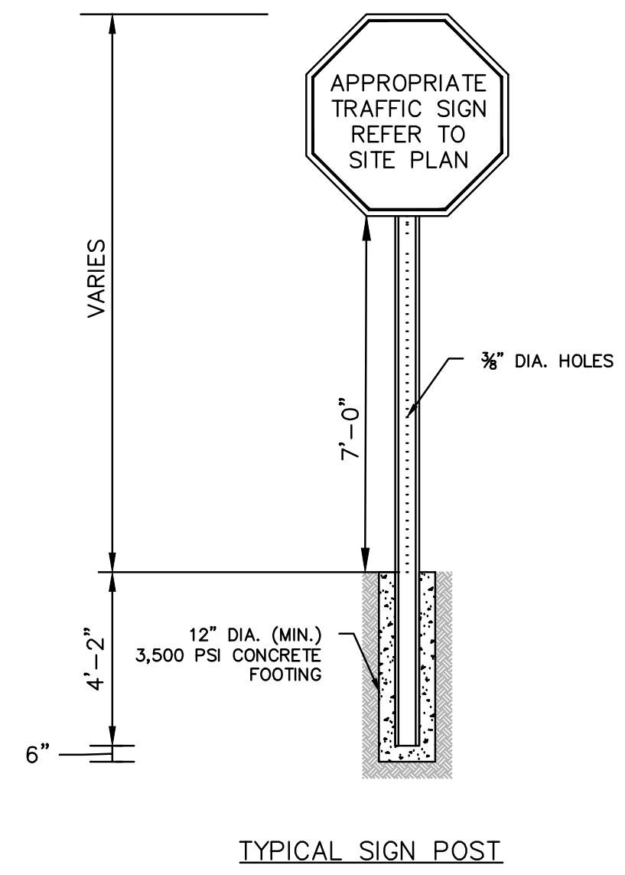

APPROPRIATE TRAFFIC SIGN REFER TO SITE PLAN
VARIES
⅜" DIA. HOLES @ 1" O.C.
7'–0"
12" DIA. (MIN.) 3,500 PSI CONCRETE FOOTING
4'–2"
6"

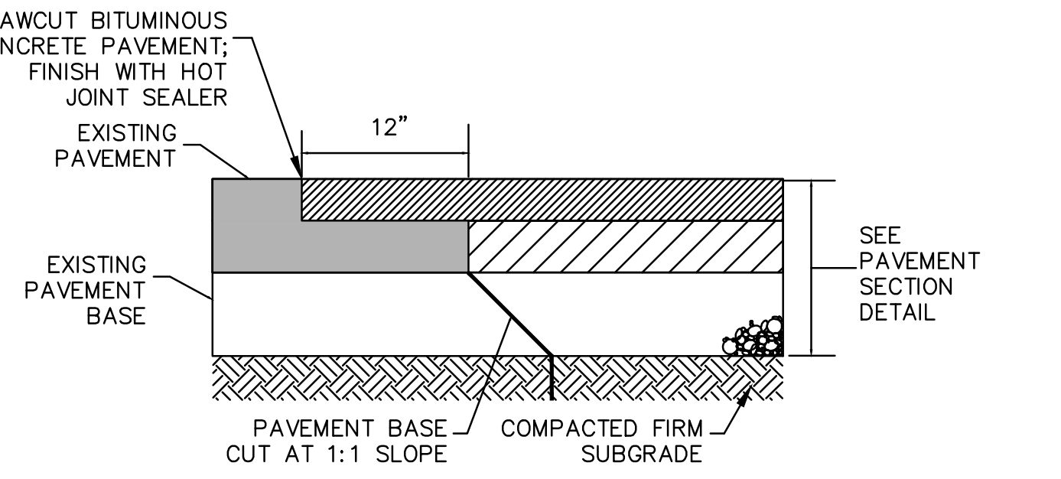
TYPICAL SIGN POST

NOTES:

1. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. ALL POSTS SHALL BE EMBEDDED 4'–2" MINIMUM BELOW GRADE.
3. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A123–78 (OR LATEST REVISED).
4. POSTS MAY BE STEEL, ALUMINUM, OR TWO–PIECE U–POST.
5. SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBERS AS SHOWN ON THIS DETAIL AND SITE PLAN.
6. BOLTS SHALL NOT PROTRUDE MORE THAN ¾" BEYOND THE NUT WHEN TIGHT BUT SHALL ENGAGE ALL THREADS IN THE NUT.
7. ALL TRAFFIC AND PEDESTRIAN SIGNAGE AND LOCATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL CURRENT AMENDMENTS.
8. EDGE OF SIGNS SHALL BE PLACED A MINIMUM OF 2 FEET FROM EDGE OF SIGN PANEL TO CURB OR EDGE OF PAVEMENT/TRAVEL WAY.

12 TRAFFIC SIGN POST

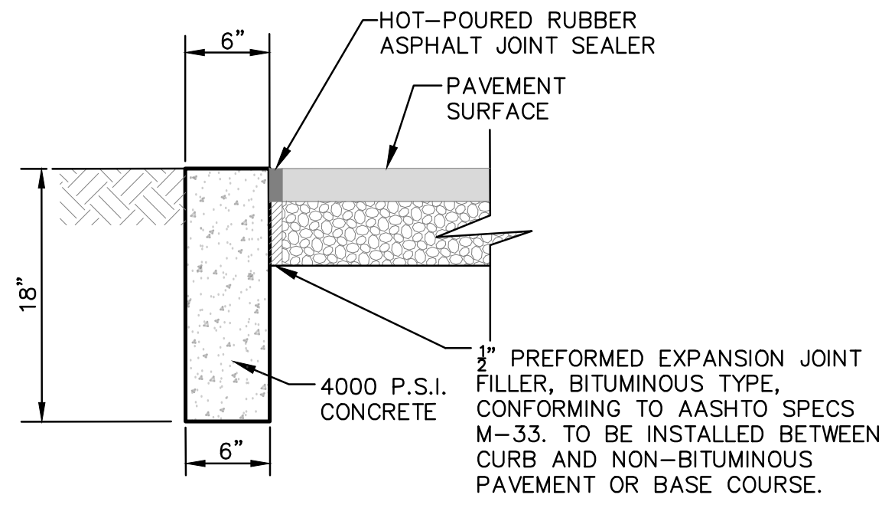
NTS


SAWCUT BITUMINOUS CONCRETE PAVEMENT; FINISH WITH HOT JOINT SEALER
EXISTING PAVEMENT
12"
EXISTING PAVEMENT BASE
SEE PAVEMENT SECTION DETAIL
PAVEMENT BASE CUT AT 1:1 SLOPE
COMPACTED FIRM SUBGRADE

NOTE:
1. CONTRACTOR TO INSTALL TACK COAT ON ALL BUTT EDGES OF EXISTING PAVEMENT.

13 SAWCUT AND JOINT SECTION

NTS

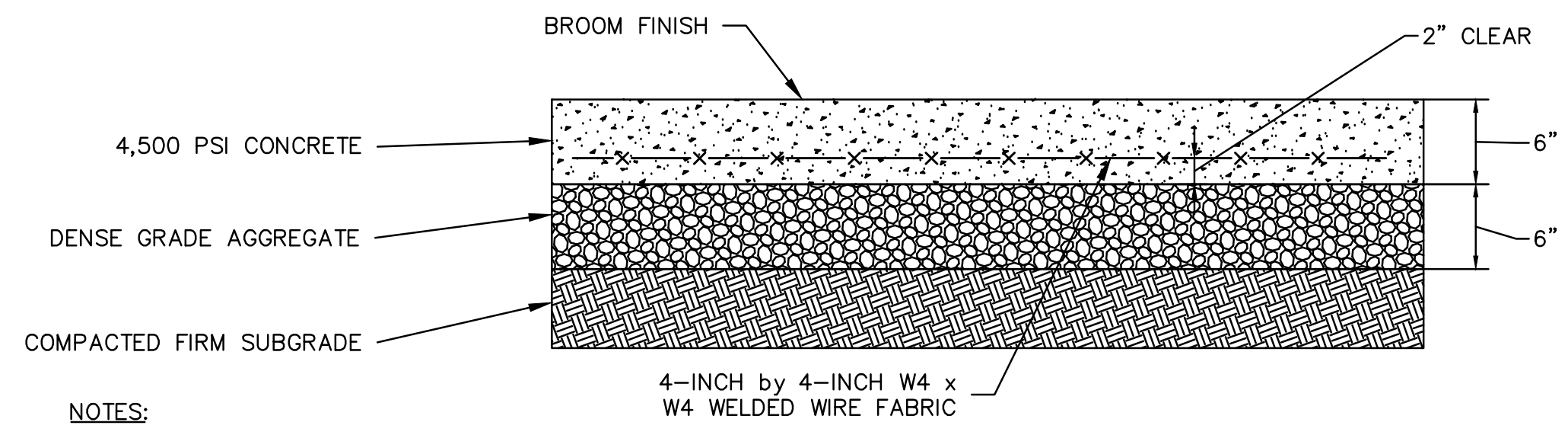

6"
HOT–POURED RUBBER ASPHALT JOINT SEALER
PAVEMENT SURFACE
18"
4000 P.S.I. CONCRETE
½" PREFORMED EXPANSION JOINT FILLER, BITUMINOUS TYPE, CONFORMING TO AASHTO SPECS M–33. TO BE INSTALLED BETWEEN CURB AND NON–BITUMINOUS PAVEMENT OR BASE COURSE.
6"

NOTES:

1. CONCRETE TO TEST 4,000 P.S.I. MINIMUM ON 28 DAY TEST. AIR ENTRAINMENT 4% TO 7%, SLUMP TO BE 3" MAXIMUM.
2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'–0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS JOINT FILLER.
3. EXPOSED CONCRETE SURFACE IS TO BE RUBBED TO PROVIDE SMOOTH FINISHED SURFACE.

14 FLUSH CONCRETE CURB

NTS

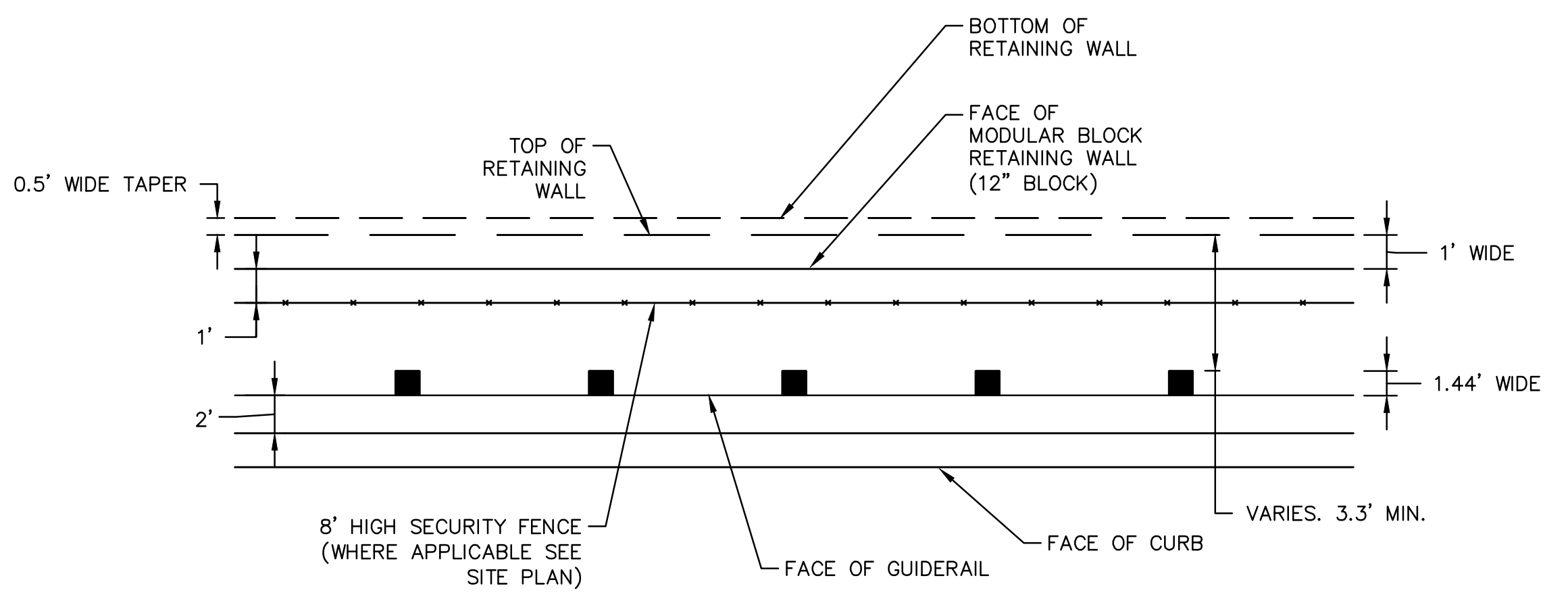

BROOM FINISH
2" CLEAR
4,500 PSI CONCRETE
6"
DENSE GRADE AGGREGATE
6"
COMPACTED FIRM SUBGRADE
4–INCH by 4–INCH W4 x W4 WELDED WIRE FABRIC

NOTES:

1. PRIOR TO ANY PAVING ACTIVITIES, THE SUBGRADE OR SUBBASE SHALL BE PROOF ROLLED.
2. PRIOR TO INSTALLATION OF PAVEMENT, THE SUBGRADE SHOULD BE SURFACE COMPACTED WITH A MINIMUM OF 6 PASSES WITH A VIBRATORY ROLLER HAVING A MINIMUM STATIC WEIGHT OF 5–TONS.
3. ALL AREAS TO BE PAVED SHALL BE PROOFROLLED WITH AT LEAST 4 PASSES OF EITHER A SMOOTH ROLLER HAVING A MINIMUM STATIC DRUM WEIGHT OF 5–TONS OR A FULLY LOADED TANDEM DUMP TRUCK.
4. ANY SOFT AREAS SHALL BE REMOVED AND REPLACED WITH CLEAN, GRANULAR, FREE–DRAINING SOIL.
5. FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 12–INCHES AND SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D–1557.
6. TRANSVERSE AND LONGITUDINAL CONTROL JOINTS SHALL BE SAW CUT AT 15 FT MAXIMUM SPACING.
7. DOWEL BARS SHALL BE PLACED AT ALL JOINTS.

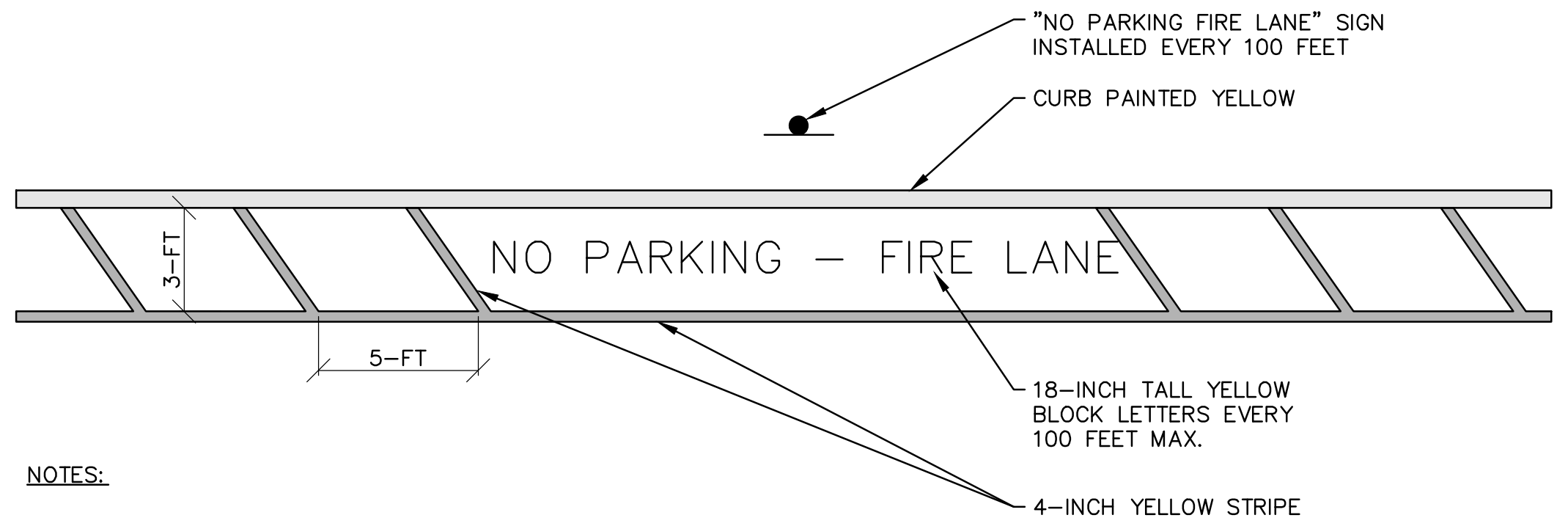
15 CONCRETE LOADING DOCK APRON & CONCRETE PAD FOR GENERATOR YARD

NTS


BOTTOM OF RETAINING WALL
FACE OF MODULAR BLOCK RETAINING WALL (12" BLOCK)
TOP OF RETAINING WALL
0.5' WIDE TAPER
1' WIDE
1'
1.44' WIDE
2'
8' HIGH SECURITY FENCE (WHERE APPLICABLE SEE SITE PLAN)
FACE OF GUIDERAIL
FACE OF CURB
VARIES. 3.3' MIN.

16 CURB, GUIDERAIL, FENCE & WALL SETBACK DETAIL

NTS


"NO PARKING FIRE LANE" SIGN INSTALLED EVERY 100 FEET
CURB PAINTED YELLOW
3–FT
NO PARKING – FIRE LANE
5–FT
18–INCH TALL YELLOW BLOCK LETTERS EVERY 100 FEET MAX.
4–INCH YELLOW STRIPE

NOTES:

1. FIRE LANE MARKINGS AND SIGNAGE SHALL BE LOCATED AS DEPICTED ON THE SITE PLAN AND APPROVED BY FIRE OFFICIAL.
2. FIRE LANE SIGNAGE SHALL BE INSTALLED PER SIGN LEGEND AND DETAIL.

17 FIRE LANE MARKINGS

NTS

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

LANGAN
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Environmental Services, LLC

300 Kimball Drive
Parsippany, NJ 07054

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

CONSTRUCTION DETAILS I

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

CS501

Project No. 102054601

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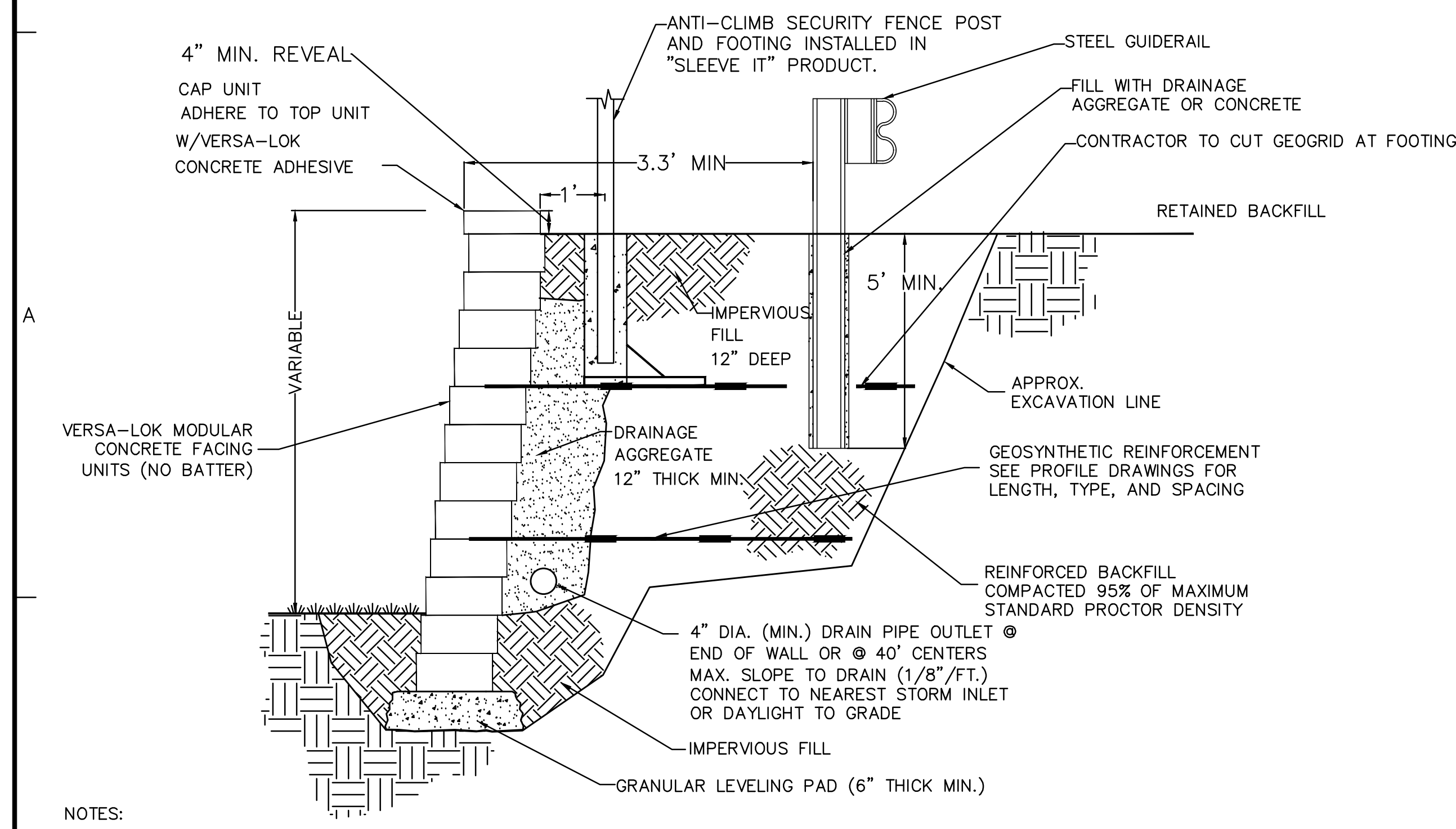
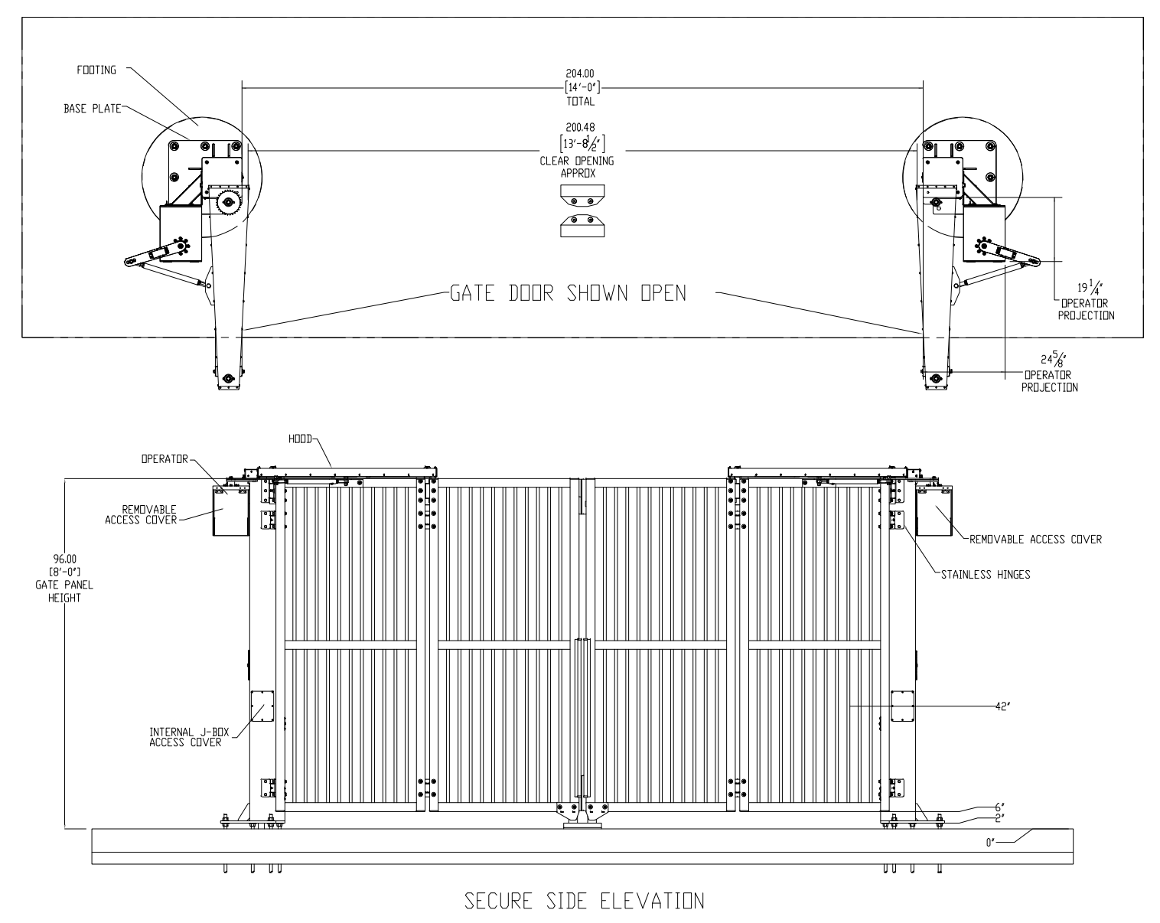

4" MIN. REVEAL
CAP UNIT ADHERE TO TOP UNIT W/VERSA-LOK CONCRETE ADHESIVE
ANTI-CLIMB SECURITY FENCE POST AND FOOTING INSTALLED IN "SLEEVE IT" PRODUCT.
STEEL GUIDERAIL
FILL WITH DRAINAGE AGGREGATE OR CONCRETE
CONTRACTOR TO CUT GEOGRID AT FOOTING
RETAINED BACKFILL
3.3' MIN
5' MIN.
1'
VARIABLE
IMPERVIOUS FILL 12" DEEP
APPROX. EXCAVATION LINE
VERSA-LOK MODULAR CONCRETE FACING UNITS (NO BATTER)
DRAINAGE AGGREGATE 12" THICK MIN.
GEOSYNTHETIC REINFORCEMENT SEE PROFILE DRAWINGS FOR LENGTH, TYPE, AND SPACING
REINFORCED BACKFILL COMPACTED 95% OF MAXIMUM STANDARD PROCTOR DENSITY
4" DIA. (MIN.) DRAIN PIPE OUTLET @ END OF WALL OR @ 40' CENTERS MAX. SLOPE TO DRAIN (1/8"/FT.) CONNECT TO NEAREST STORM INLET OR DAYLIGHT TO GRADE
IMPERVIOUS FILL
GRANULAR LEVELING PAD (6" THICK MIN.)

NOTES:

1. WALL HEIGHT TO VARY – REFER TO GRADING PLAN FOR ELEVATIONS BEHIND TOP OF WALL AND IN FRONT OF BOTTOM OF WALL.
2. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS BY A NJ–LICENSED STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL BY THE OWNER'S ENGINEER. SHOP DRAWINGS SHALL INCLUDE CALCULATIONS AND A PLAN AND PROFILE VIEW VERIFYING THE TOP OF WALL BLOCK IS A MINIMUM OF 4 INCHES ABOVE THE PROPOSED GRADE BEHIND THE WALL.
3. ALL RETAINING WALL CONSTRUCTION SHALL BE INSPECTED BY A NJ–LICENSED PROFESSIONAL ENGINEER.
4. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS BY A NJ–LICENSED STRUCTURAL ENGINEER FOR FENCE EMBEDMENT IN RETAINING WALL FOR REVIEW AND APPROVAL BY THE OWNER'S ENGINEER.
5. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS BY A NJ–LICENSED STRUCTURAL ENGINEER FOR SUBMISSION TO THE BUILDING DEPARTMENT AND A BUILDING PERMIT WILL BE REQUIRED FOR ALL WALLS EXCEEDING A HEIGHT OF 4–FEET.

1 TYPICAL MODULAR BLOCK RETAINING WALL DETAIL

NTS

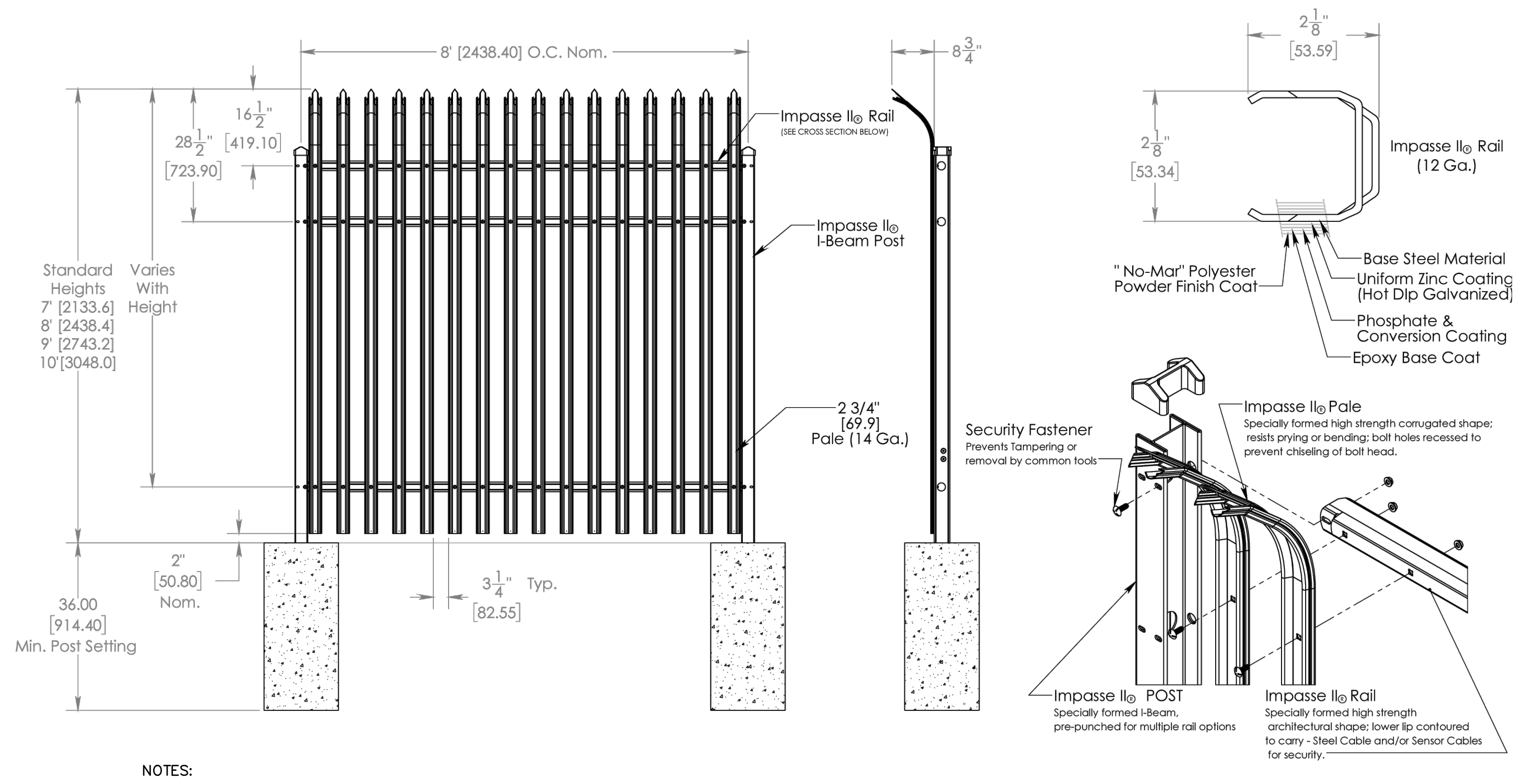

GATE DOOR SHOWN OPEN
INTERNAL J-BOX ACCESS COVER
SECURE SIDE ELEVATION

NOTES;

1. DETAIL OBTAINED FROM TYMETAL.
2. COORDINATE FINAL FENCE FABRICATION, INCLUDING ELEVATION/PROFILE, GRADES, AND REQUIREMENTS.
3. SUBMIT SHOP DRAWINGS SHOWING FABRICATED GATES, INCLUDING ALL LAYOUT PLAN AND DETAILS OF CONSTRUCTION.

2 BI FOLD SPEED GATE

NTS

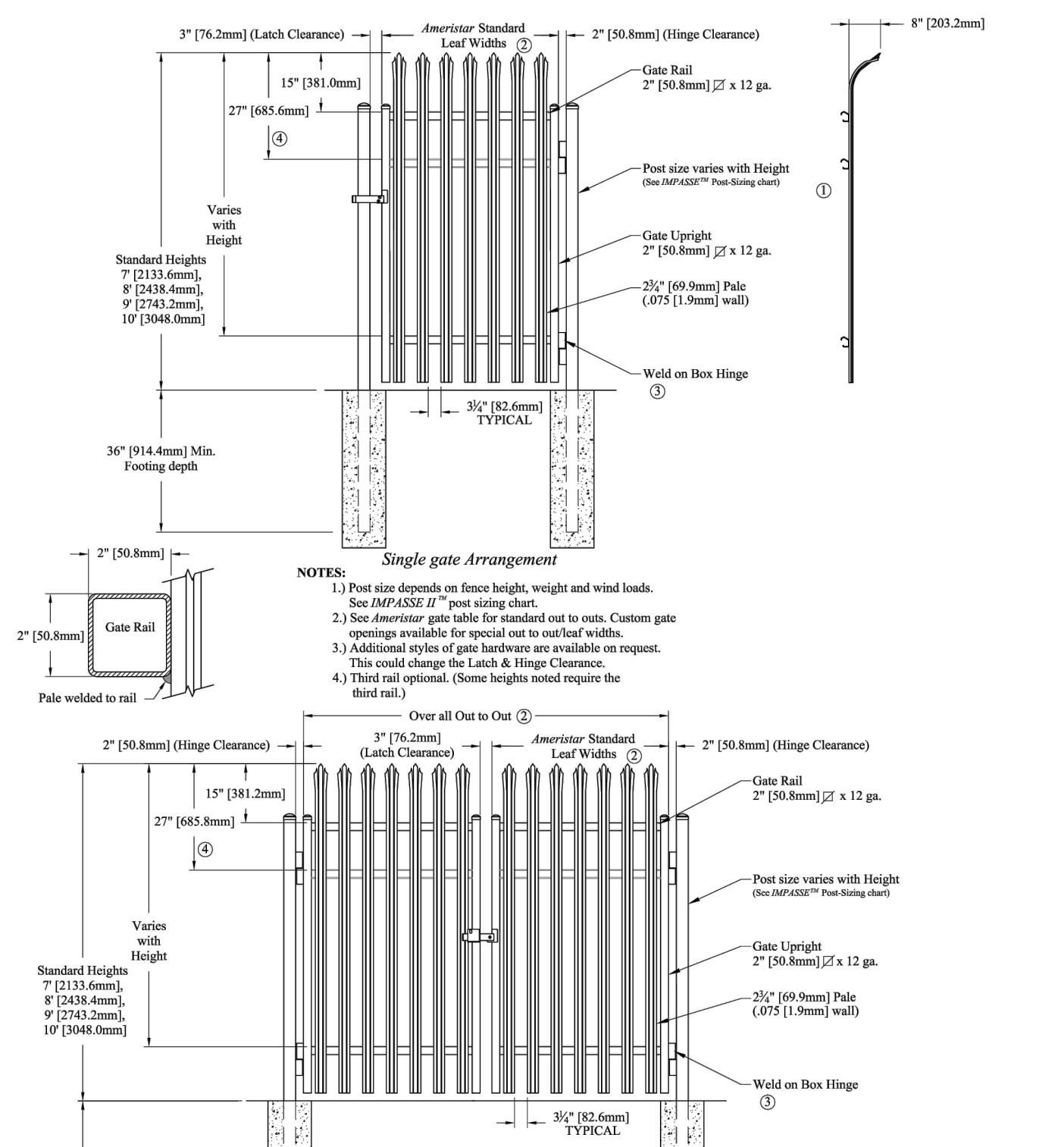

8' [2438.40] O.C. Nom.
Impasse II® Rail
Impasse II® I-Beam Post
Standard Heights 7' [2133.6] 8' [2438.4] 9' [2743.2] 10' [3048.0]
Varies With Height
2 3/4" [69.9] Pale (14 Ga.)
2" [50.80] Nom.
3 1/4" Typ. [82.55]
36.00 [914.40] Min. Post Setting
Impasse II® Rail (12 Ga.)
Base Steel Material
Uniform Zinc Coating (Hot Dip Galvanized)
Phosphate & Conversion Coating
Epoxy Base Coat
"No-Mar" Polyester Powder Finish Coat
Security Fastener
Impasse II® Pale
Impasse II® POST
Impasse II® Rail

NOTES:

1. DETAIL OBTAINED FROM AMERISTAR
2. COORDINATE FINAL FENCE FABRICATION, INCLUDING ELEVATION/PROFILE, GRADES, AND REQUIREMENTS.
3. SUBMIT SHOP DRAWINGS SHOWING FABRICATED GATES, INCLUDING ALL LAYOUT PLAN AND DETAILS OF CONSTRUCTION.
4. ANY ALTERNATES SHALL BE REVIEWED

3 8' HIGH BLACK METAL ANTI-CLIMB POST FENCE

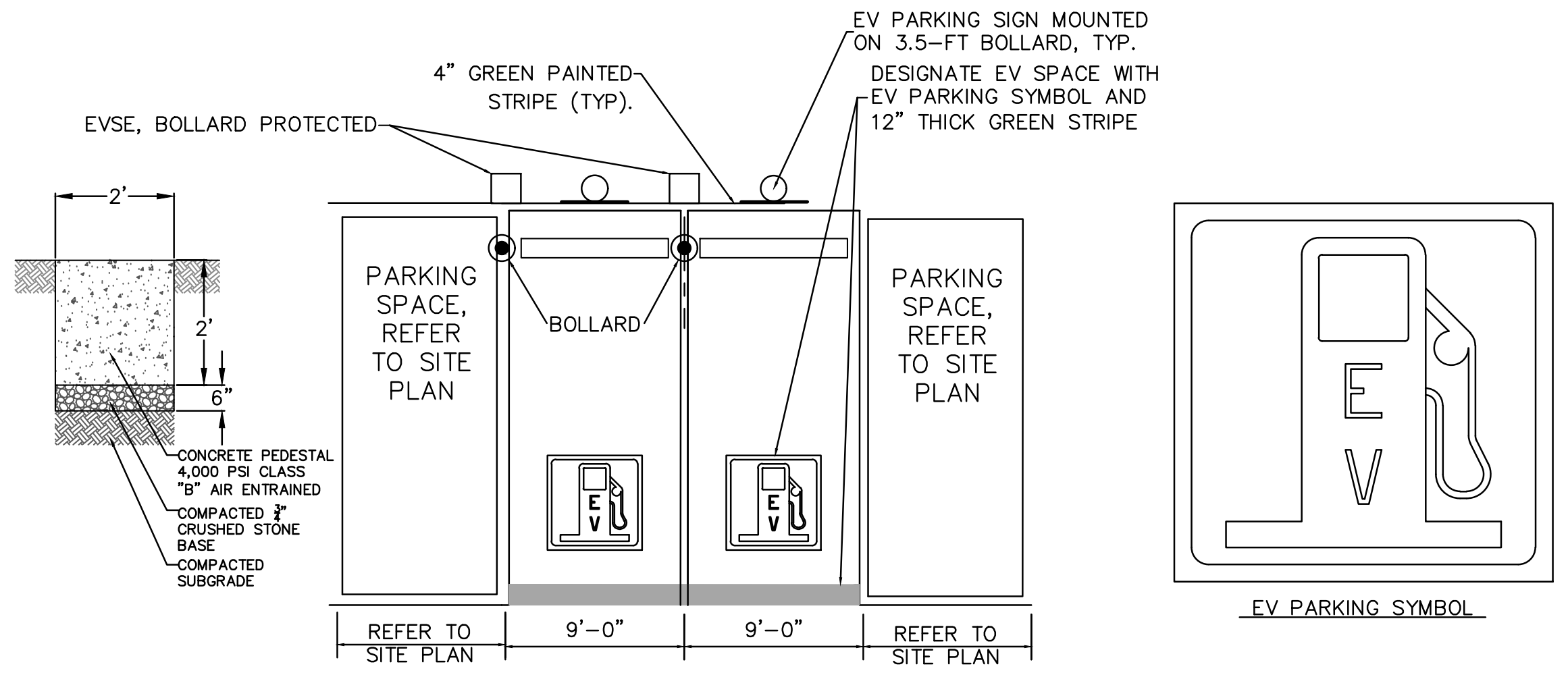
NTS


Gate Rail
Post size varies with Height
Gate Upright
Gate Pale
Weld on Hinge
Single gate Arrangement
Double gate Arrangement
Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

MINIMUM SIZES FOR MONTAGE II POSTS				
GATE LEAF	GATE HEIGHT			
	up to & including 6'	over 6' to 8'	over 8' to 10'	over 12'
up to 4'	3" x 12 gauge	3" x 12 gauge	4" x 11 gauge	4" x 11 gauge
4'1" to 6'	3" x 12 gauge	3" x 12 gauge	4" x 11 gauge	4" x 11 gauge
6'1" to 8'	4" x 11 gauge	6" x 3/16" wall	6" x 3/16" wall	6" x 3/16" wall
8'1" to 10'	4" x 11 gauge	6" x 3/16" wall	6" x 3/16" wall	6" x 3/16" wall
10'1" to 12'	6" x 3/16" wall	6" x 3/16" wall	6" x 3/16" wall	6" x 1/4" wall
12'1" to 16'	6" x 3/16" wall	6" x 3/16" wall	6" x 1/4" wall	6" x 1/4" wall

4 8' HIGH BLACK METAL ANTI-CLIMB POST FENCE GATE

NTS

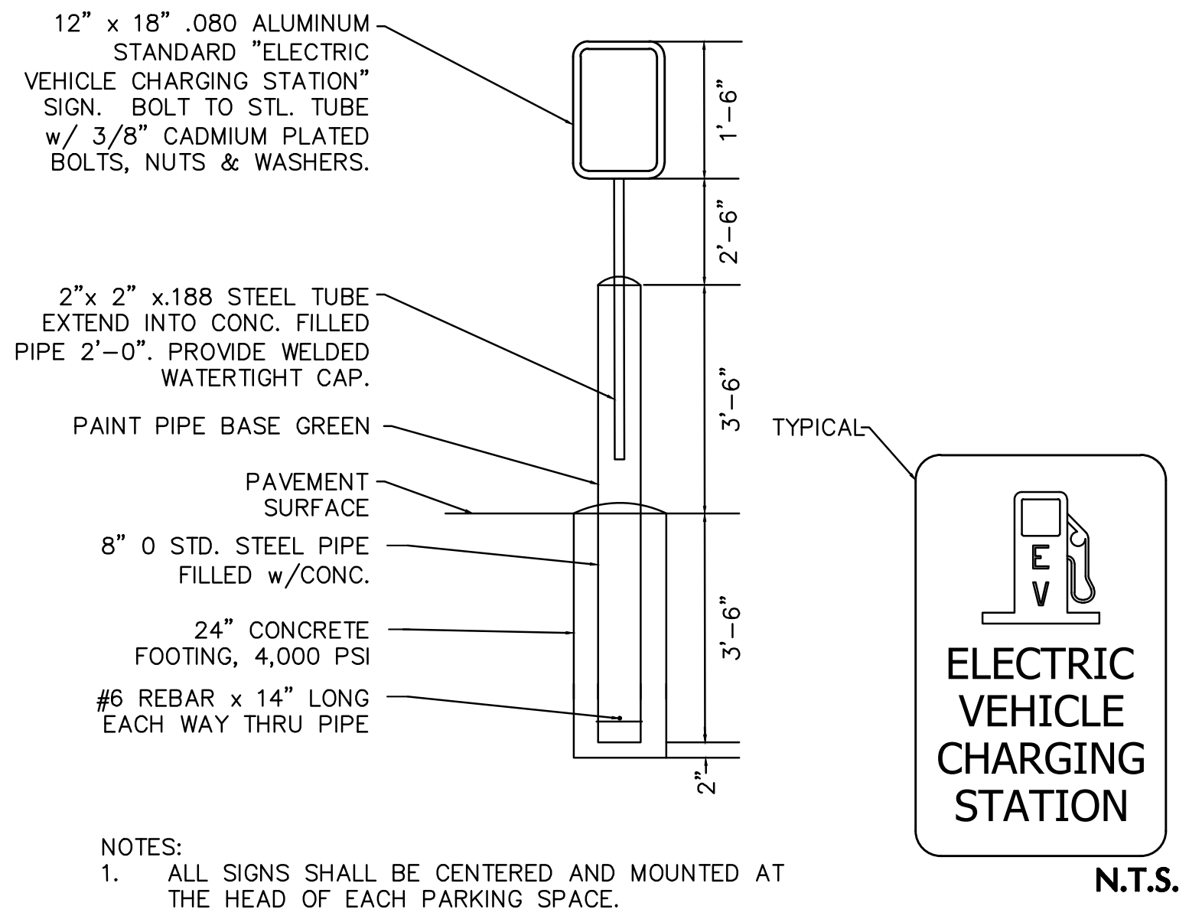

EV PARKING SIGN MOUNTED ON 3.5-FT BOLLARD, TYP.
4" GREEN PAINTED STRIPE (TYP).
DESIGNATE EV SPACE WITH EV PARKING SYMBOL AND 12" THICK GREEN STRIPE
EVSE, BOLLARD PROTECTED
PARKING SPACE, REFER TO SITE PLAN
BOLLARD
CONCRETE PEDESTAL 4,000 PSI CLASS "B" AIR ENTRAINED
COMPACTED 3/4" CRUSHED STONE BASE
COMPACTED SUBGRADE
REFER TO SITE PLAN
9'-0"
9'-0"
EV PARKING SYMBOL

EVSE PEDESTAL DETAIL

EVSE PEDESTAL NOTES:
1. CONCRETE PEDESTAL SHALL BE FLUSH WITH ADJACENT GROUND SURFACE.
2. PEDESTAL SURFACE SLOPE SHALL NOT EXCEED 1/4" PER FOOT.
3. CONCRETE PEDESTAL SHALL CONFORM TO MANUFACTURER SPECIFICATIONS.
4. REFER TO MANUFACTURER SPECIFICATIONS FOR MOUNTING REQUIREMENTS.
5. PROVIDE SHOP DRAWINGS FOR ALL ELECTRIC VEHICLE EQUIPMENT FOR REVIEW AND APPROVAL.

INSTALLATION NOTES:

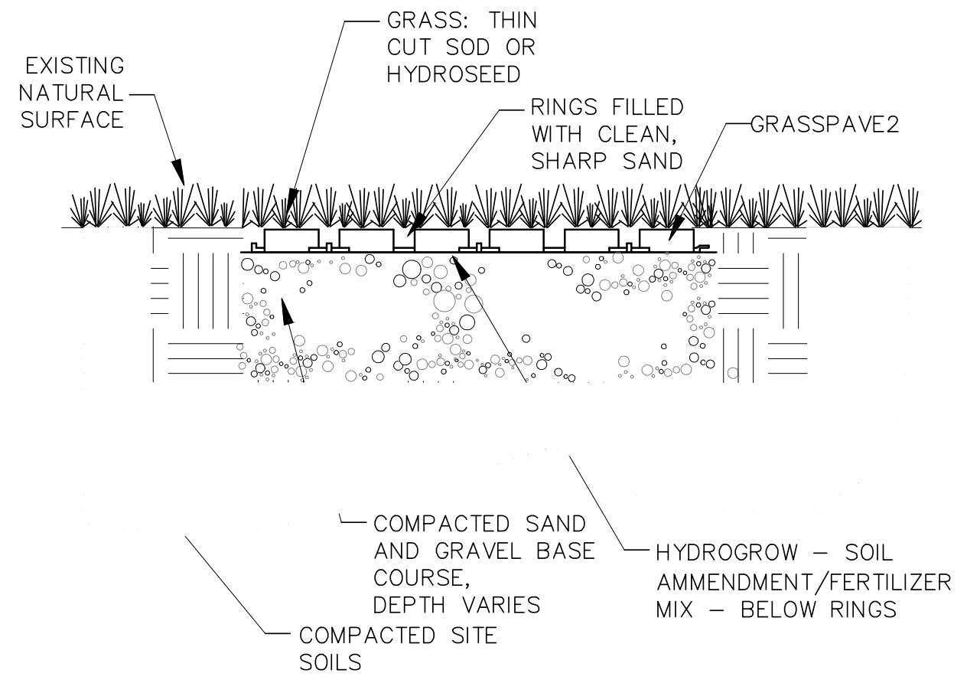
1. INSTALLATION OF EVSE AND MAKE–READY PARKING SPACES SHALL MEET THE ELECTRICAL SUBCODE OF THE UNIFORM CONSTRUCTION CODE, N.J.A.C. 5:23–3.16.
2. STRIPING TO BE SOLID GREEN (OR AS REQUIRED BY LOCAL GOVERNMENT) NON–REFLECTIVE TRAFFIC PAINT. STRIPING SHALL HAVE TWO COATS OF PAINT, ALKYD BASE SYNTHETIC RESIN, FED. SPEC. TTP–115 TYPE 1 (OR APPROVED EQUAL). IF SEAL COAT IS USED, IT SHALL BE COMPATIBLE WITH STRIPING COMPOUND.


12" x 18" .080 ALUMINUM STANDARD "ELECTRIC VEHICLE CHARGING STATION" SIGN. BOLT TO STL. TUBE w/ 3/8" CADMIUM PLATED BOLTS, NUTS & WASHERS.
2"x 2" x.188 STEEL TUBE EXTEND INTO CONC. FILLED PIPE 2'-0". PROVIDE WELDED WATERTIGHT CAP.
PAINT PIPE BASE GREEN
PAVEMENT SURFACE
8" 0 STD. STEEL PIPE FILLED w/CONC.
24" CONCRETE FOOTING, 4,000 PSI
#6 REBAR x 14" LONG EACH WAY THRU PIPE
1'-6"
2'-6"
3'-6"
3'-6"
2"
TYPICAL
ELECTRIC VEHICLE CHARGING STATION
N.T.S.

NOTES:
1. ALL SIGNS SHALL BE CENTERED AND MOUNTED AT THE HEAD OF EACH PARKING SPACE.

5 PLUG-IN ELECTRIC VEHICLE PARKING DETAIL

NTS


GRASS: THIN CUT SOD OR HYDROSEED
EXISTING NATURAL SURFACE
RINGS FILLED WITH CLEAN, SHARP SAND
GRASSPAVE2
COMPACTED SAND AND GRAVEL BASE COURSE, DEPTH VARIES
HYDROGROW – SOIL AMMENDMENT/FERTILIZER MIX – BELOW RINGS
COMPACTED SITE SOILS

FLUSH, NATURAL (EXISTING) EDGING

SPECIFICATIONS (GRASSPAVE2 SQUARES)

UNIT SIZE – 50 CM X 50 CM X 2.5 CM (20" X 20" X 1")

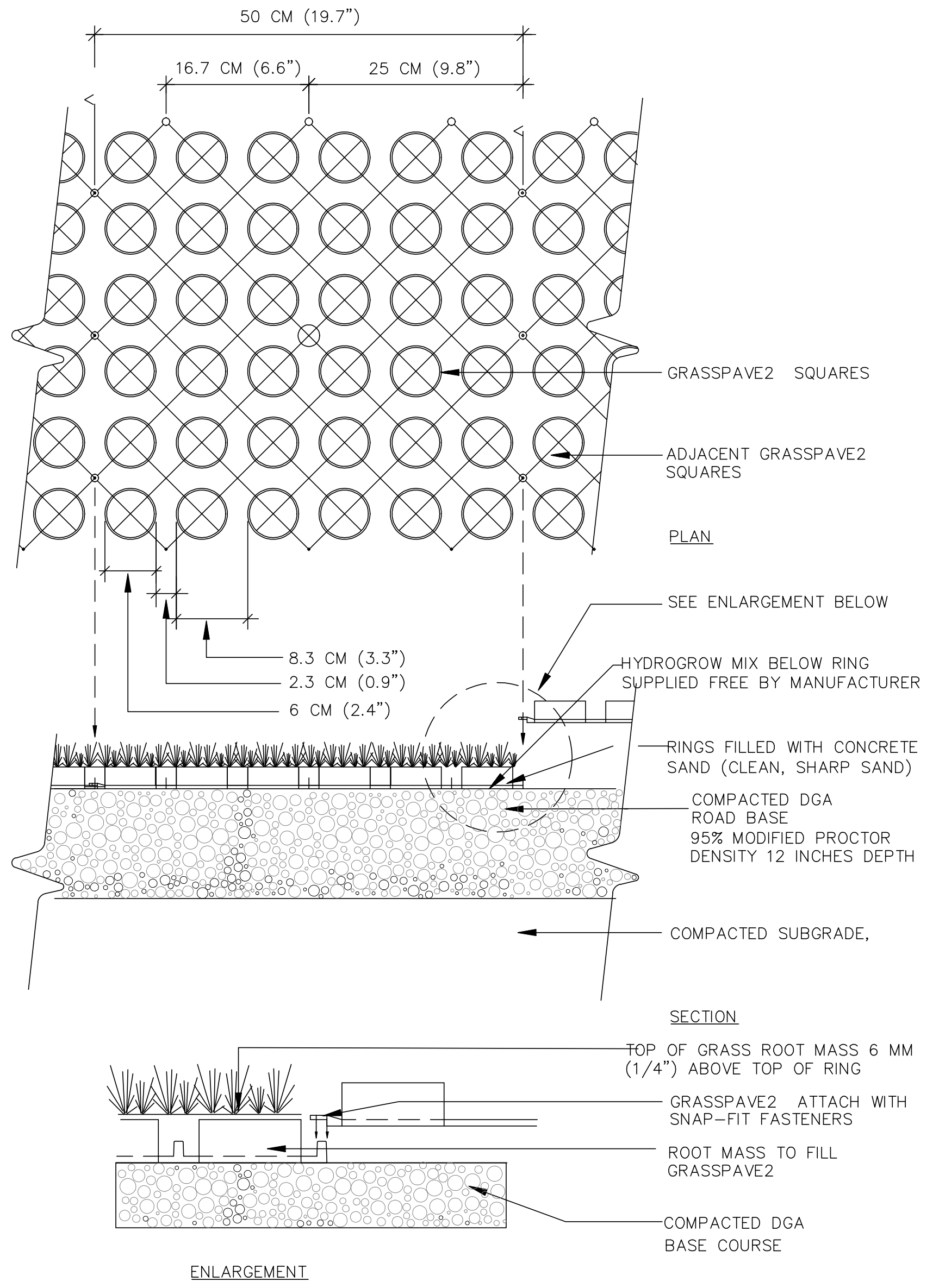
AVAILABLE IN 9 STANDARD ROLL SIZES

UNIT WEIGHT – 510 GRAMS (18 OZ.) OR 2.0 KG (4.5 POUNDS)

STRENGTH – 402 KG/CM (5720 PSI)

COLOR – BLACK (STANDARD)

RESIN – HDPE (WITH SOME POST–CONSUMER RECYCLED CONTENT)

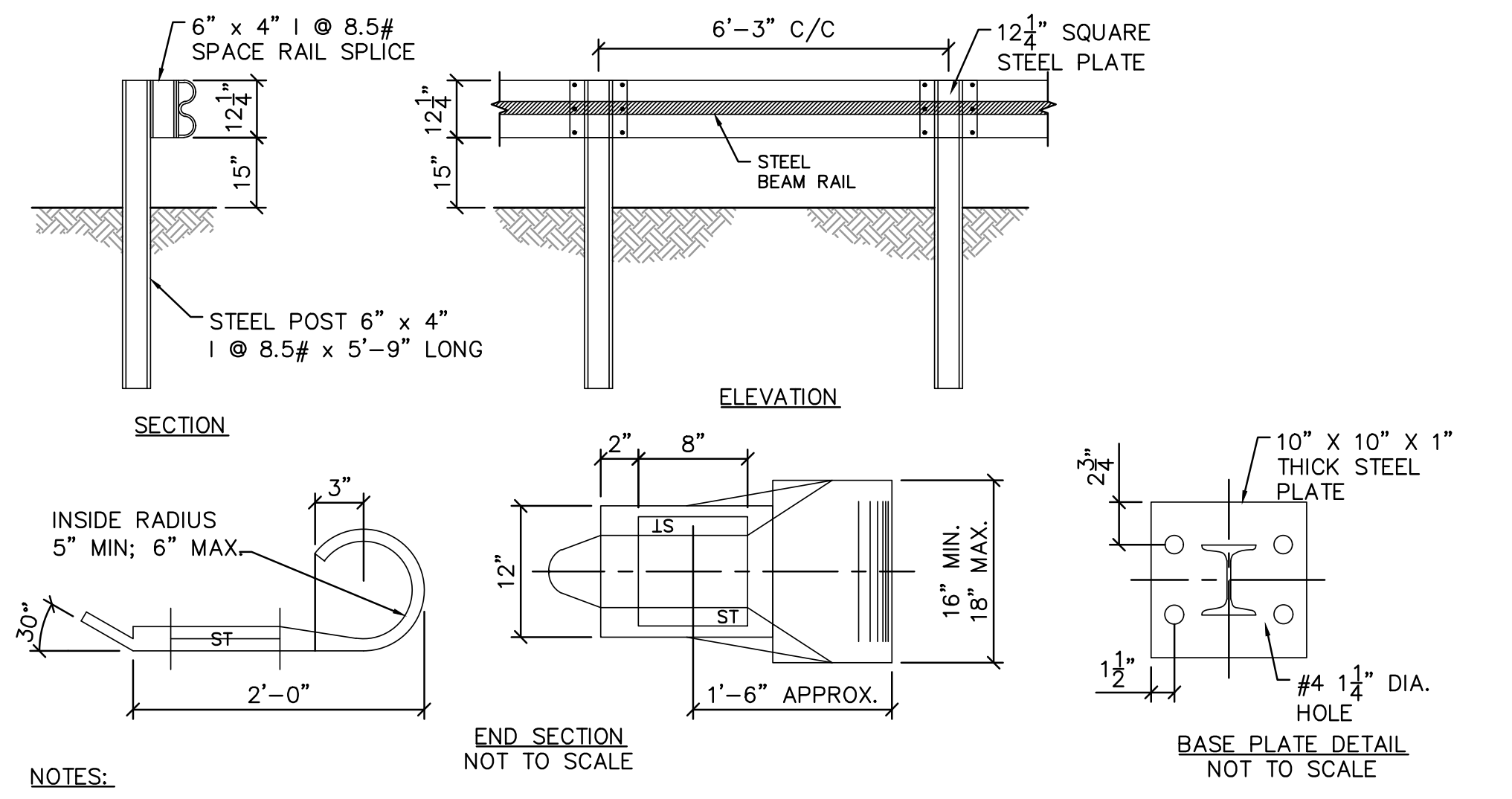

50 CM (19.7")
16.7 CM (6.6")
25 CM (9.8")
GRASSPAVE2 SQUARES
ADJACENT GRASSPAVE2 SQUARES
PLAN
SEE ENLARGEMENT BELOW
8.3 CM (3.3")
2.3 CM (0.9")
6 CM (2.4")
HYDROGROW MIX BELOW RING SUPPLIED FREE BY MANUFACTURER
RINGS FILLED WITH CONCRETE SAND (CLEAN, SHARP SAND)
COMPACTED DGA ROAD BASE 95% MODIFIED PROCTOR DENSITY 12 INCHES DEPTH
COMPACTED SUBGRADE,
SECTION
TOP OF GRASS ROOT MASS 6 MM (1/4") ABOVE TOP OF RING
GRASSPAVE2 ATTACH WITH SNAP-FIT FASTENERS
ROOT MASS TO FILL GRASSPAVE2
COMPACTED DGA BASE COURSE
ENLARGEMENT

NOTES:

1. DETAIL OBTAINED FROM INVISIBLE STRUCTURES, INC.
2. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.

6 GRASSPAVE BASIN ACCESS ROAD

NTS

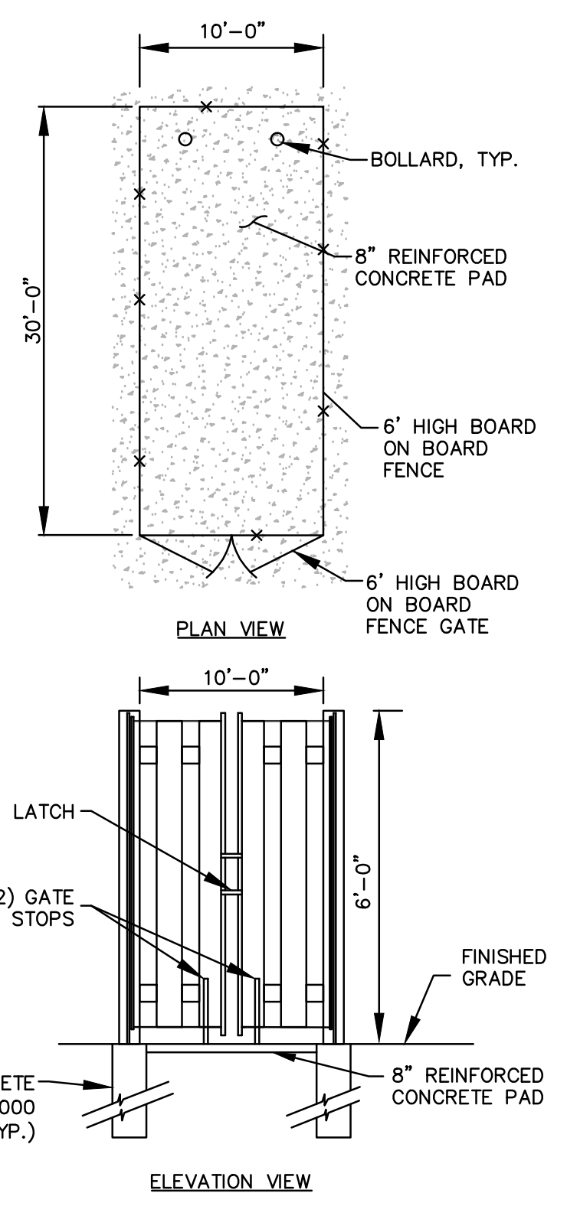

6" x 4" I @ 8.5# SPACE RAIL SPLICE
12 1/2"
15"
6'-3" C/C
12 1/2" SQUARE STEEL PLATE
STEEL BEAM RAIL
STEEL POST 6" x 4" I @ 8.5# x 5'-9" LONG
SECTION
ELEVATION
INSIDE RADIUS 5" MIN; 6" MAX.
3"
30°
ST
2'-0"
12"
16" MIN. 18" MAX.
1'-6" APPROX.
END SECTION NOT TO SCALE
10" X 10" X 1" THICK STEEL PLATE
1 1/2"
#4 1 1/4" DIA. HOLE
BASE PLATE DETAIL NOT TO SCALE

NOTES:

1. GUIDE RAIL SHALL BE CLASS A, TYPE 1, CONFORMING TO CURRENT AASHTO SPECIFICATIONS.
2. GUIDE RAIL LAPS TO BE IN DIRECTION OF TRAFFIC FLOW.

7 STEEL GUIDE RAIL

NTS

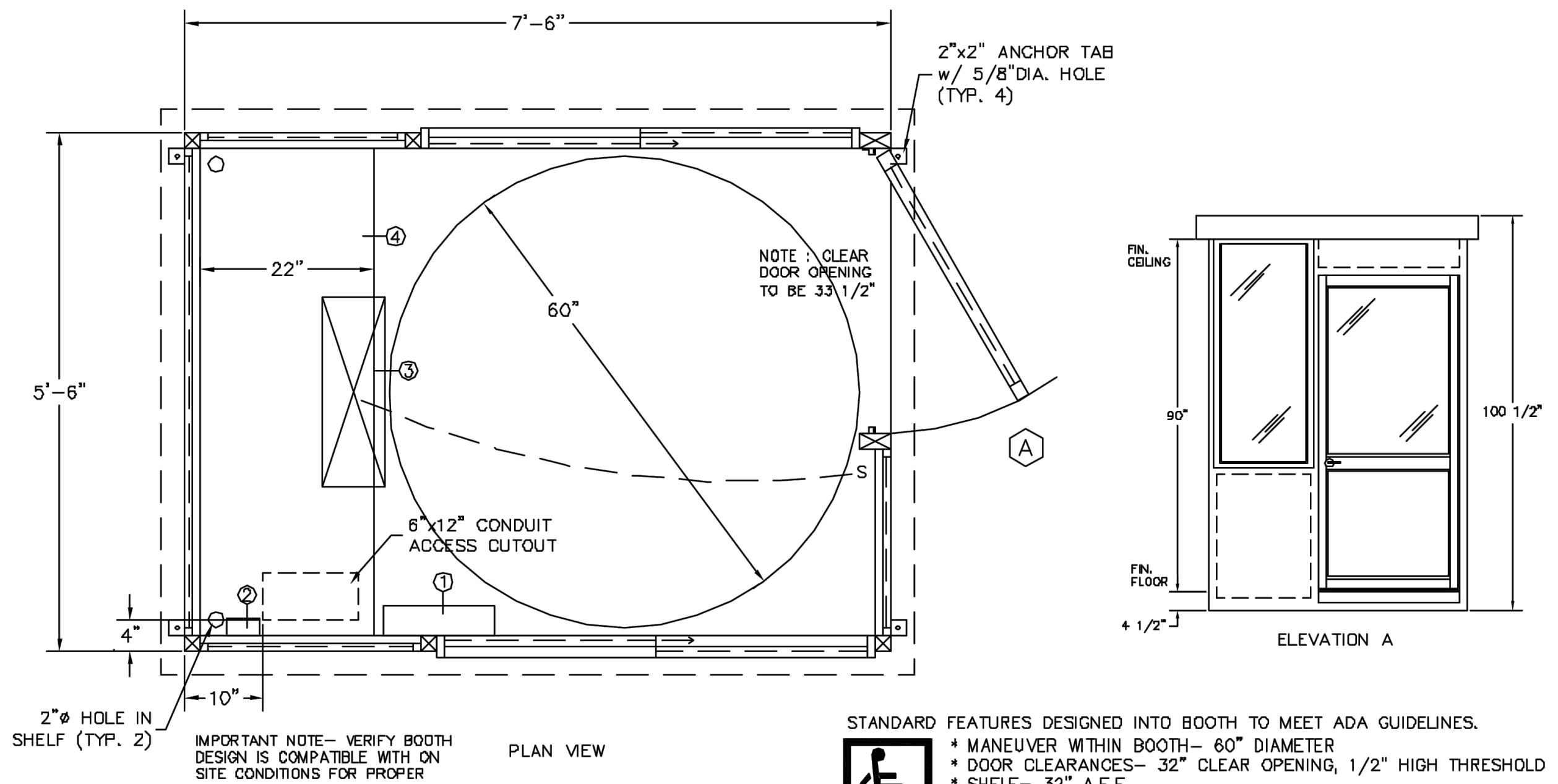

10'-0"
BOLLARD, TYP.
8" REINFORCED CONCRETE PAD
30'-0"
6' HIGH BOARD ON BOARD FENCE
6' HIGH BOARD ON BOARD FENCE GATE
PLAN VIEW
10'-0"
LATCH
(2) GATE STOPS
6'-0"
FINISHED GRADE
CONCRETE BASE (3,000 PSI, TYP.)
8" REINFORCED CONCRETE PAD
ELEVATION VIEW

NOTE:

1. SUBMIT SHOP DRAWINGS FOR ALL COMPONENTS OF BOARD ON BOARD FENCE, FENCE GATE, MASONRY WALL, MODULAR BLOCK WALL FOR REVIEW AND APPROVAL.
2. DESIGN OF MASONRY WALL AND MODULAR BLOCK WALL SHOP DRAWINGS SHALL BE SIGNED BY A NEW JERSEY LICENSED STRUCTURAL ENGINEER.
3. SIZE OF TRASH AND RECYCLING CONTAINERS TO BE DETERMINED BASED ON FUTURE TENANT NEEDS.

8 BOARD ON BOARD FENCE FOR RECYCLE/ TRASH ENCLOSURES

NTS


7'-6"
2"x2" ANCHOR TAB w/ 5/8"DIA. HOLE (TYP. 4)
22"
60"
5'-6"
NOTE: CLEAR DOOR OPENING TO BE 33 1/2"
A
6"x12" CONDUIT ACCESS CUTOUT
4"
10"
2"ø HOLE IN SHELF (TYP. 2)
PLAN VIEW
FIN. CEILING
90"
100 1/2"
FIN. FLOOR
4 1/2"
ELEVATION A

IMPORTANT NOTE– VERIFY BOOTH DESIGN IS COMPATIBLE WITH ON SITE CONDITIONS FOR PROPER ACCESSIBILITY.

STANDARD FEATURES DESIGNED INTO BOOTH TO MEET ADA GUIDELINES.
- * MANEUVER WITHIN BOOTH– 60" DIAMETER
- * DOOR CLEARANCES– 32" CLEAR OPENING, 1/2" HIGH THRESHOLD
- * SHELF– 32" A.F.F.
- * CASHIER WINDOW– 33" A.F.F.
- * CEILING HEIGHT– 80"min.

(ACCESSIBLE ROUTE TO BOOTH– BOOTH CAN BE DESIGNED TO MEET ON SITE CONDITIONS, EXAMPLE; DOOR LOCATION AND THRESHOLD HEIGHT)

DURASTEEL MODEL PC–DA75SW BUILDING NOTES :

① 100 AMP SINGLE PHASE 12 CIRCUIT LOAD CENTER W/MAIN BKR.
② 115V DUPLEX, 230V OUTLET
③ 34 WATT SURFACE MTD. FLUORESCENT LIGHT W/SWITCH
④ 22" DEEP SHELF
- * 3" OVERHANG EXTERIOR MEMBRANE ROOF
- * 1– HEAVY DUTY ALUMINUM DOOR w/HALF GLASS AND LEVER LOCK
- * GLAZING– CLEAR TEMPERED GLASS
- * INSULATION– WALLS R–9, CEILING R–17
- * ALUMINUM TREAD PLATE FLOOR
- * BUILDING PAINTED– ADVISE COLOR
- * UL LABEL FOR COMPLIANCE WITH THE N.E.C.

NOTE:

1. PROVIDE SHOP DRAWING FOR REVIEW AND APPROVAL.

9 TYPICAL GUARD BOOTH DETAIL

NTS

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

LANGAN
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Environmental Services, LLC

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Parsippany, NJ 07054

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

CONSTRUCTION DETAILS II

Project No. 102054601
Date 7/24/2026
Drawn By GC
Checked By BMW

CS502

Project No. 102054601

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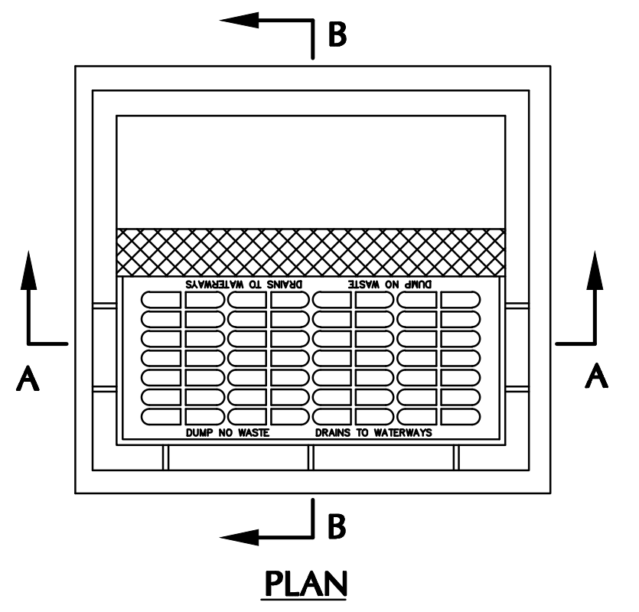
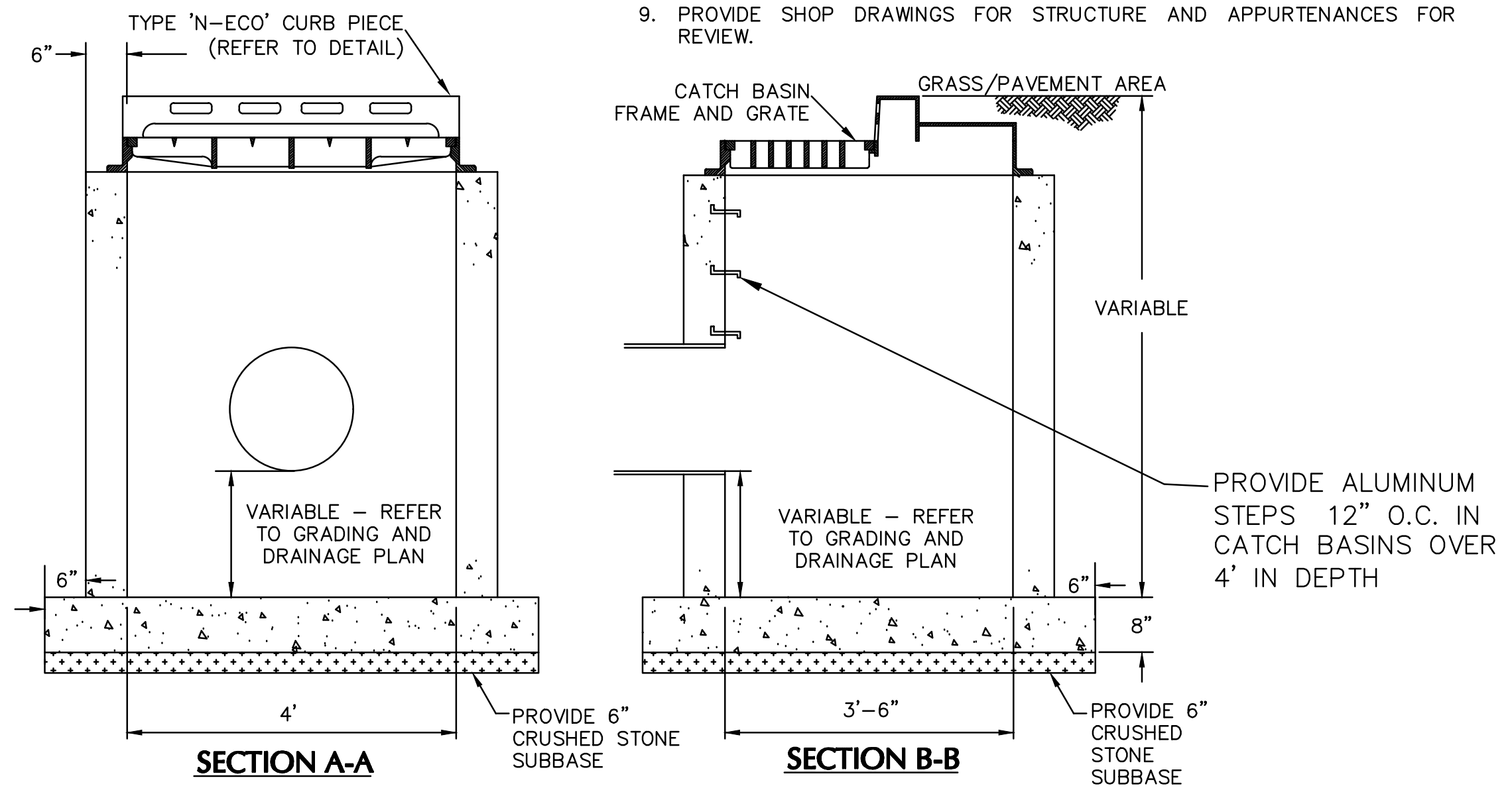

B
A
A
B
DUMP NO WASTE
DRAINS TO WATERWAYS
PLAN

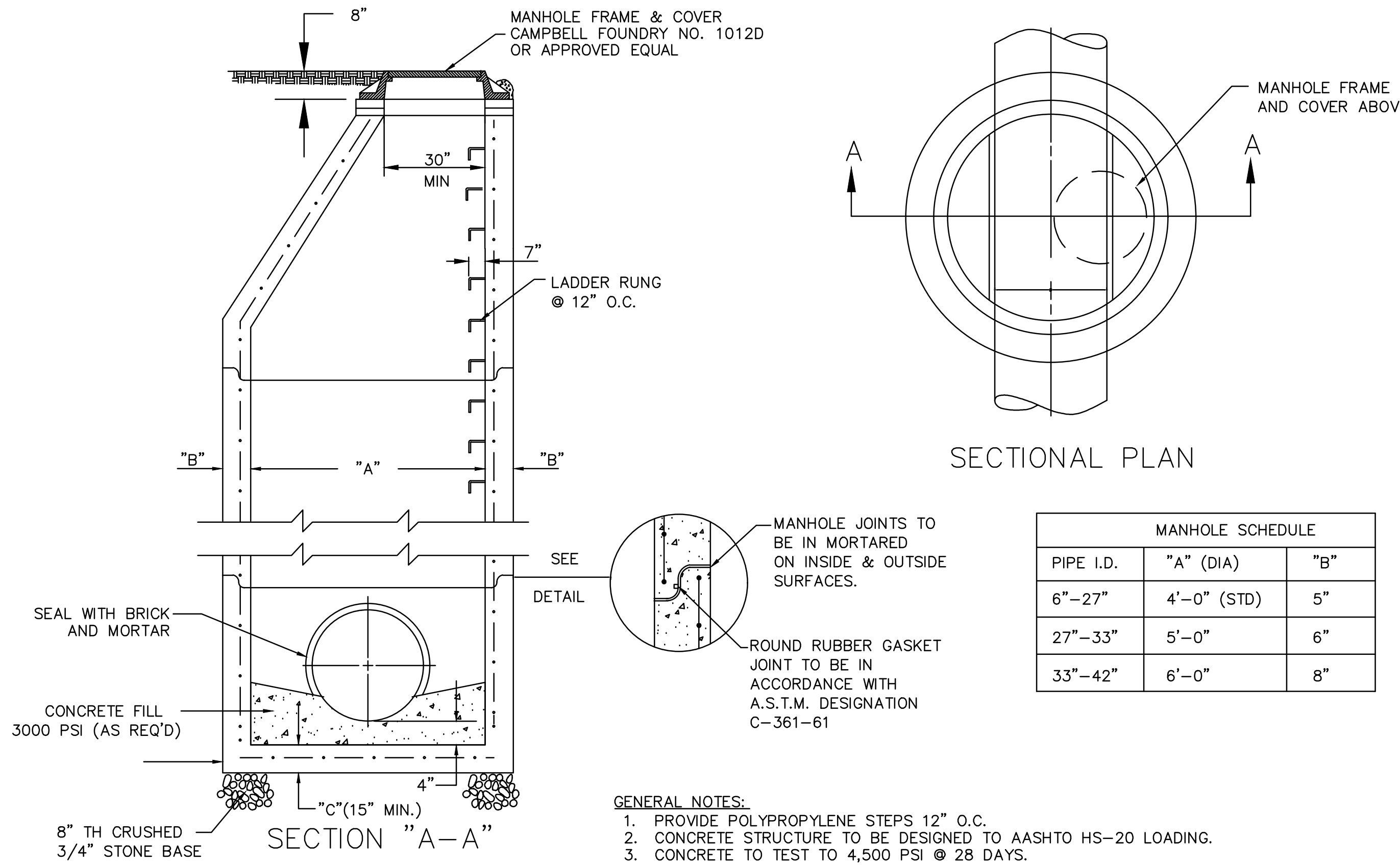
GENERAL NOTES

1. THE PRECAST MANUFACTURER IS RESPONSIBLE FOR STRUCTURAL DESIGN OF ALL PROPOSED PRECAST STRUCTURES. CONTRACTOR MUST PROVIDE SHOP DRAWINGS FOR REVIEW.
2. FOOTER AND INVERT TO BE NJDOT CLASS "C" CONCRETE.
3. IF WALL CONSTRUCTION OTHER THAN CONCRETE THE WALLS SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT PLASTER.
4. CASTING TO BE CAMPBELL FOUNDRY NO. 2618 OR EQUIVALENT WITH TYPE N – ECO CURB PIECE
5. PROVIDE ALUMINUM ALCO STEPS 6061T6 12" O.C. IN CATCH BASIN OVER 4' IN DEPTH. MAX. DIST. BETWEEN BOTTOM STEP AND BOTTOM OF INLET SHALL BE 18".
6. WHEN ADDITIONAL DEPTH IS SCHEDULED WALLS BELOW THE DEPTH OF 8'–0" MEASURED FROM THE INLET GUTTER TO INVERT, SHALL BE 12" THICK IF CONCRETE OR DOUBLE BLOCK IF BLOCK. THE FOUNDATION DIMENSION SHALL BE INCREASED 12" IN WIDTH AND TO 12" IN DEPTH.
7. SHALL MEET NJDOT STANDARDS AND H20 LOADING.
8. PRECAST MANUFACTURER IS RESPONSIBLE FOR STRUCTURAL DESIGN OF ALL PROPOSED PRECAST STRUCTURES.
9. PROVIDE SHOP DRAWINGS FOR STRUCTURE AND APPURTENANCES FOR REVIEW.


TYPE 'N–ECO' CURB PIECE (REFER TO DETAIL)
6"
VARIABLE – REFER TO GRADING AND DRAINAGE PLAN
6"
4'
PROVIDE 6" CRUSHED STONE SUBBASE
SECTION A-A
CATCH BASIN FRAME AND GRATE
GRASS/PAVEMENT AREA
VARIABLE
VARIABLE – REFER TO GRADING AND DRAINAGE PLAN
6"
8"
3'–6"
PROVIDE 6" CRUSHED STONE SUBBASE
SECTION B-B
PROVIDE ALUMINUM STEPS 12" O.C. IN CATCH BASINS OVER 4' IN DEPTH

1 TYPE 'B' CATCH BASIN WITH CURB PIECE

NTS


8"
MANHOLE FRAME & COVER CAMPBELL FOUNDRY NO. 1012D OR APPROVED EQUAL
30" MIN
7"
LADDER RUNG @ 12" O.C.
"B"
"A"
"B"
SEE DETAIL
SEAL WITH BRICK AND MORTAR
CONCRETE FILL 3000 PSI (AS REQ'D)
4"
"C"(15" MIN.)
8" TH CRUSHED 3/4" STONE BASE
SECTION "A–A"
MANHOLE JOINTS TO BE IN MORTARED ON INSIDE & OUTSIDE SURFACES.
ROUND RUBBER GASKET JOINT TO BE IN ACCORDANCE WITH A.S.T.M. DESIGNATION C–361–61
MANHOLE FRAME AND COVER ABOVE
A
A
SECTIONAL PLAN

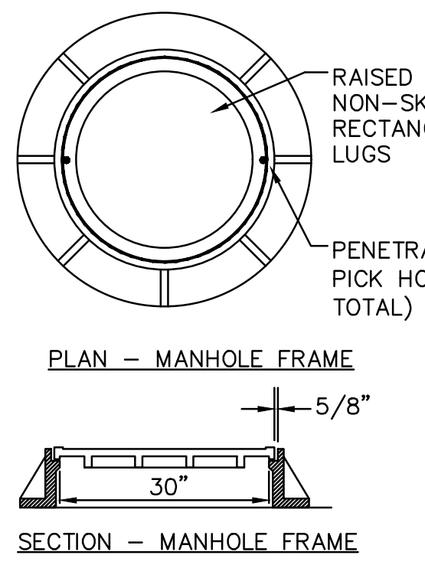
MANHOLE SCHEDULE		
PIPE I.D.	"A" (DIA)	"B"
6"–27"	4'–0" (STD)	5"
27"–33"	5'–0"	6"
33"–42"	6'–0"	8"

GENERAL NOTES:

1. PROVIDE POLYPROPYLENE STEPS 12" O.C.
2. CONCRETE STRUCTURE TO BE DESIGNED TO AASHTO HS–20 LOADING.
3. CONCRETE TO TEST TO 4,500 PSI @ 28 DAYS.
4. CONCRETE STRUCTURE REINFORCING AS PER ASTM A–185.
5. FIRST STEP NOT TO EXCEED 12 INCHES FROM TOP OF RIM.
8. PRECAST MANUFACTURER IS RESPONSIBLE FOR STRUCTURAL DESIGN OF ALL PROPOSED PRECAST STRUCTURES.
9. PROVIDE SHOP DRAWINGS FOR STRUCTURE AND APPURTENANCES FOR REVIEW
10. ADJUST RIM TO GRADE WITH GROUT, BRICK, OR CONCRETE GRADE RINGS. 18" MAXIMUM.
11. THE EXTERIOR SURFACE OF MANHOLE TO BE SEAL COATED WITH COAL TAR OR ASPHALTIC PITCH,

2 STORM DRAINAGE & SANITARY MANHOLE

NTS


RAISED NON–SKID RECTANGULAR LUGS
PENETRATING PICK HOLE (2 TOTAL)
PLAN – MANHOLE FRAME
5/8"
30"
SECTION – MANHOLE FRAME

MANHOLE COVERS AND FRAMES SHALL BE:

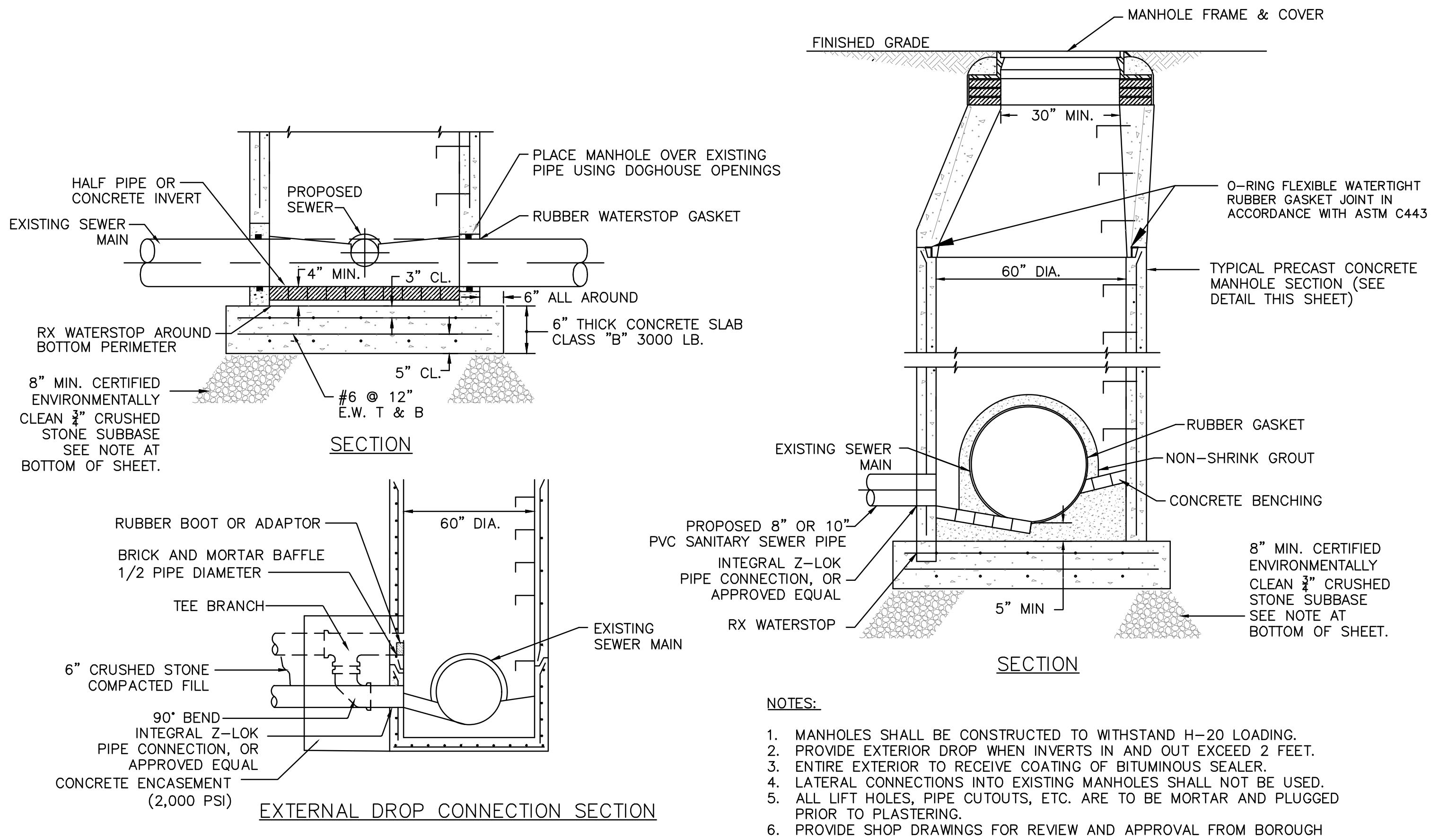
STANDARD (HEAVY TRAFFIC TYPE):
CAMPBELL FOUNDRY COMPANY PATTERN NO. 1012D, OR APPROVED EQUAL.

CONSTRUCTION NOTES:

1. MANHOLE FRAME AND COVER CASTINGS SHALL CONFORM TO THE LATEST ASTM A–48 CLASS 30 SPECIFICATION.
2. FRAME AND COVERS SHALL BE COATED WITH TWO COATS OF ASPHALTUM VARNISH.
3. MANHOLE FRAME TO BE LABELED "SANITARY" FOR SANITARY MANHOLES WITHIN PROPERTY.
4. MANHOLE FRAME TO BE LABELED "BOROUGH OF NEW PROVIDENCE SANITARY SEWER" FOR SANITARY MANHOLES WITHIN THE PUBLIC RIGHT–OF–WAY.
5. MANHOLE FRAME TO BE LABELED "STORM" FOR STORM MANHOLES.

3 MANHOLE FRAME AND COVER

NTS

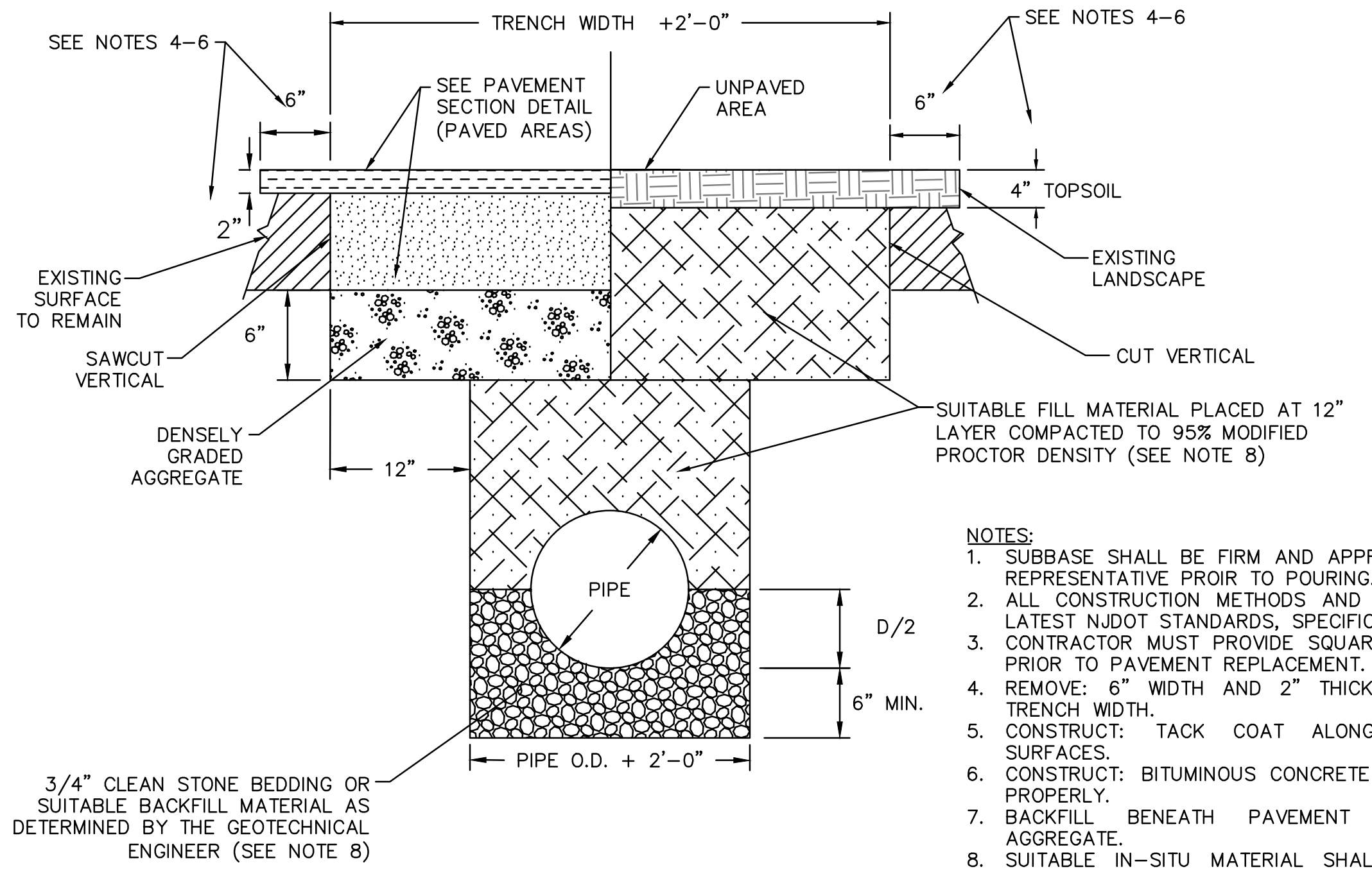

HALF PIPE OR CONCRETE INVERT
PROPOSED SEWER
EXISTING SEWER MAIN
PLACE MANHOLE OVER EXISTING PIPE USING DOGHOUSE OPENINGS
RUBBER WATERSTOP GASKET
4" MIN.
3" CL.
6" ALL AROUND
RX WATERSTOP AROUND BOTTOM PERIMETER
6" THICK CONCRETE SLAB CLASS "B" 3000 LB.
5" CL.
8" MIN. CERTIFIED ENVIRONMENTALLY CLEAN ¾" CRUSHED STONE SUBBASE SEE NOTE AT BOTTOM OF SHEET.
#6 @ 12" E.W. T & B
SECTION
RUBBER BOOT OR ADAPTOR
60" DIA.
BRICK AND MORTAR BAFFLE 1/2 PIPE DIAMETER
TEE BRANCH
EXISTING SEWER MAIN
6" CRUSHED STONE COMPACTED FILL
90° BEND
INTEGRAL Z–LOK PIPE CONNECTION, OR APPROVED EQUAL
CONCRETE ENCASEMENT (2,000 PSI)
EXTERNAL DROP CONNECTION SECTION
MANHOLE FRAME & COVER
FINISHED GRADE
30" MIN.
O–RING FLEXIBLE WATERTIGHT RUBBER GASKET JOINT IN ACCORDANCE WITH ASTM C443
60" DIA.
TYPICAL PRECAST CONCRETE MANHOLE SECTION (SEE DETAIL THIS SHEET)
RUBBER GASKET
EXISTING SEWER MAIN
NON–SHRINK GROUT
CONCRETE BENCHING
PROPOSED 8" OR 10" PVC SANITARY SEWER PIPE
INTEGRAL Z–LOK PIPE CONNECTION, OR APPROVED EQUAL
RX WATERSTOP
5" MIN
8" MIN. CERTIFIED ENVIRONMENTALLY CLEAN ¾" CRUSHED STONE SUBBASE SEE NOTE AT BOTTOM OF SHEET.
SECTION

NOTES:

1. MANHOLES SHALL BE CONSTRUCTED TO WITHSTAND H–20 LOADING.
2. PROVIDE EXTERIOR DROP WHEN INVERTS IN AND OUT EXCEED 2 FEET.
3. ENTIRE EXTERIOR TO RECEIVE COATING OF BITUMINOUS SEALER.
4. LATERAL CONNECTIONS INTO EXISTING MANHOLES SHALL NOT BE USED.
5. ALL LIFT HOLES, PIPE CUTOUTS, ETC. ARE TO BE MORTAR AND PLUGGED PRIOR TO PLASTERING.
6. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL FROM BOROUGH ENGINEER AND DESIGN ENGINEER.
7. PRECASTER RESPONSIBLE FOR STRUCTURAL DESIGN OF MANHOLE.
8. MANHOLE SHALL MEET THE STANDARD SPECIFICATION UNDER ASTM C 478.

4 DOGHOUSE SANITARY SEWER MANHOLE AND EXTERNAL DROP CONNECTION

NTS

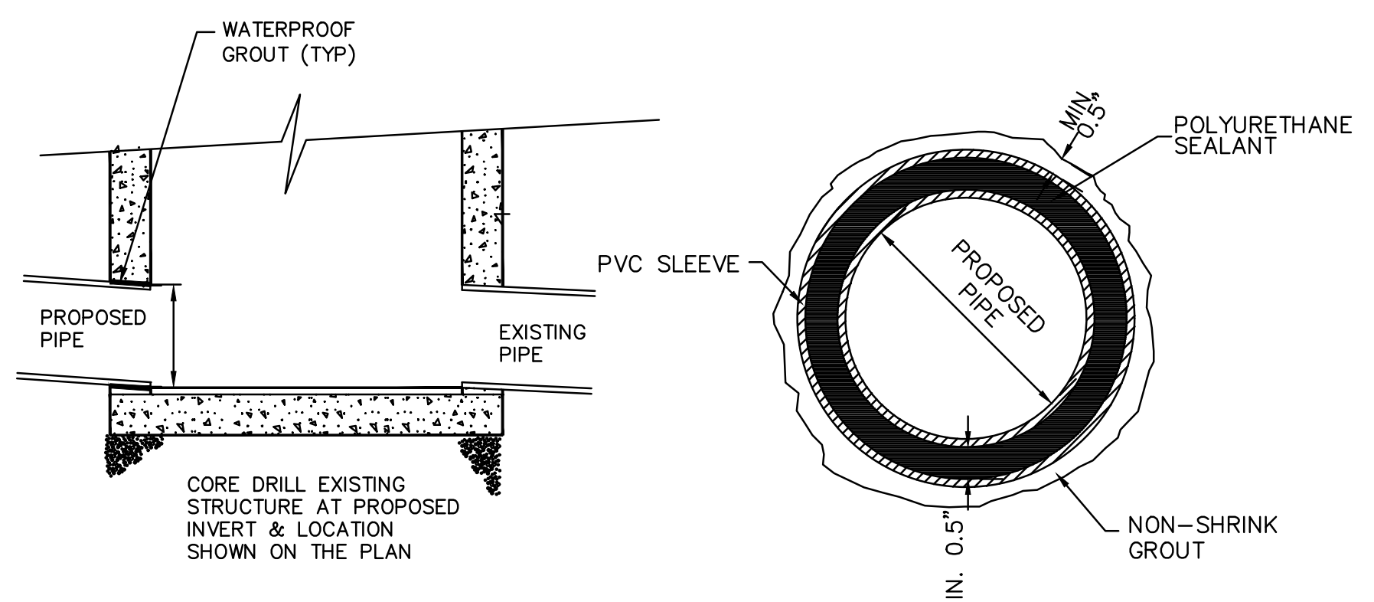

SEE NOTES 4–6
TRENCH WIDTH +2'–0"
SEE NOTES 4–6
6"
SEE PAVEMENT SECTION DETAIL (PAVED AREAS)
UNPAVED AREA
6"
2"
4" TOPSOIL
EXISTING SURFACE TO REMAIN
EXISTING LANDSCAPE
6"
SAWCUT VERTICAL
CUT VERTICAL
DENSELY GRADED AGGREGATE
12"
SUITABLE FILL MATERIAL PLACED AT 12" LAYER COMPACTED TO 95% MODIFIED PROCTOR DENSITY (SEE NOTE 8)
PIPE
D/2
6" MIN.
3/4" CLEAN STONE BEDDING OR SUITABLE BACKFILL MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER (SEE NOTE 8)
PIPE O.D. + 2'–0"

NOTES:

1. SUBBASE SHALL BE FIRM AND APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE PROIR TO POURING.
2. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO LATEST NJDOT STANDARDS, SPECIFICATIONS AND INSPECTIONS.
3. CONTRACTOR MUST PROVIDE SQUARE AND UNIFORM PAVEMENT CUT PRIOR TO PAVEMENT REPLACEMENT.
4. REMOVE: 6" WIDTH AND 2" THICK TOP SURFACE LAYER BEYOND TRENCH WIDTH.
5. CONSTRUCT: TACK COAT ALONG VERTICAL AND HORIZONTAL SURFACES.
6. CONSTRUCT: BITUMINOUS CONCRETE SURFACE COURSE AND ROLL IT PROPERLY.
7. BACKFILL BENEATH PAVEMENT SHALL BE DENSE GRADED AGGREGATE.
8. SUITABLE IN–SITU MATERIAL SHALL BE USED TO BACKFILL THE UTILITY TRENCH EXCAVATION. SUITABLE FILL MATERIAL SHALL CONSIST OF SAND AND GRAVEL MIXTURE HAVING A MAXIMUM PARTICLE SIZE OF 4 INCHES. ALL IMPORTED FILL MATERIAL MUST MEET THE DEFINITION OF CLEAN FILL DESCRIBED IN NJDEP'S "ALTERNATIVE AND CLEAN FILL GUIDANCE FOR SRP SITES" DATED DECEMBER 2011.

5 PIPE INSTALLATION AND PAVEMENT RESTORATION

NTS

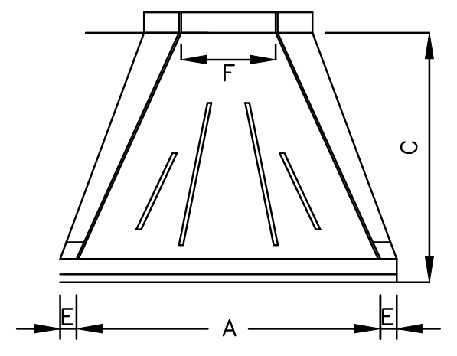

WATERPROOF GROUT (TYP)
PROPOSED PIPE
EXISTING PIPE
CORE DRILL EXISTING STRUCTURE AT PROPOSED INVERT & LOCATION SHOWN ON THE PLAN
PVC SLEEVE
MIN. 0.5"
POLYURETHANE SEALANT
PROPOSED PIPE
MIN. 0.5"
NON–SHRINK GROUT

NOTES:

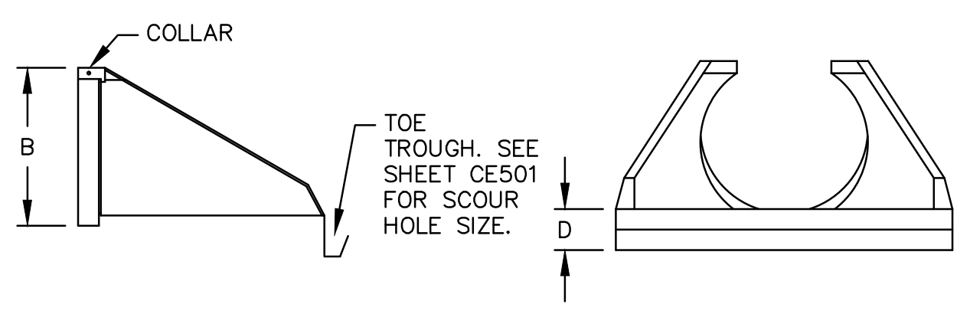
1. CORE–DRILL OPENING IN EXISTING WALL TO ACCOMMODATE PVC SLEEVE WITH MIN. 0.5" CLEARANCE ALL AROUND.
2. SET SLEEVE IN POSITION USING NON–SHRINK GROUT TO ASTM 1107 (SIKA GROUT 212, MANUFACTURED BY SIKA, OR APPROVED EQUIVALENT).
3. PRIOR TO GROUT SETTING, SET UTILITY IN POSITION.
4. SEAL USING POLYURETHANE SEALANT (SIKA FLEX–2C–NF/SL SEALANT, OR APPROVED EQUIVALENT), APPLIED FROM EITHER END TO FILL SLEEVE.
5. CONTROL WATER LEVELS AND KEEP CONNECTION DRY FROM INITIAL CORE–DRILLING TO END OF RECOMMENDED SET TIME OF POLYURETHANE SEALANT.

6 CONNECTION TO EXISTING STRUCTURE

NTS



PIPE DIAMETER (ALL DIMENSIONS IN INCHES)		
DIMENSION	12	15
A	29	29
B	14.2	17.7
C	25	25
D	6.5	6.5
E	6.5	6.5
F (MAX)	10	10

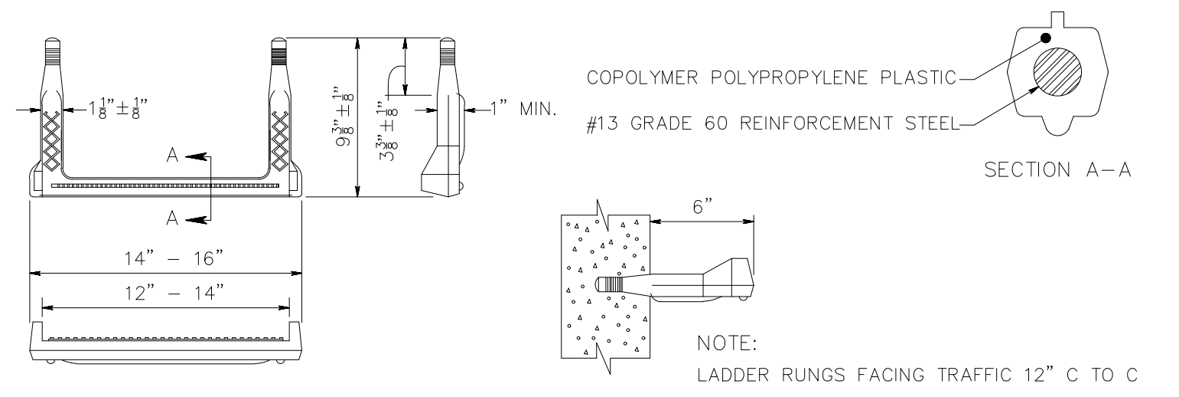

COLLAR
B
TOE TROUGH. SEE SHEET CE501 FOR SCOUR HOLE SIZE.
D

NOTES:

1. PROVIDE SHOP DRAWINGS REVIEW AND APPROVAL.
2. THE HDPE FLARED END SECTIONS SHALL BE IN ACCORDANCE WITH ADS'S HDPE FLARED END SECTION SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.

7 HDPE FLARED END SECTION

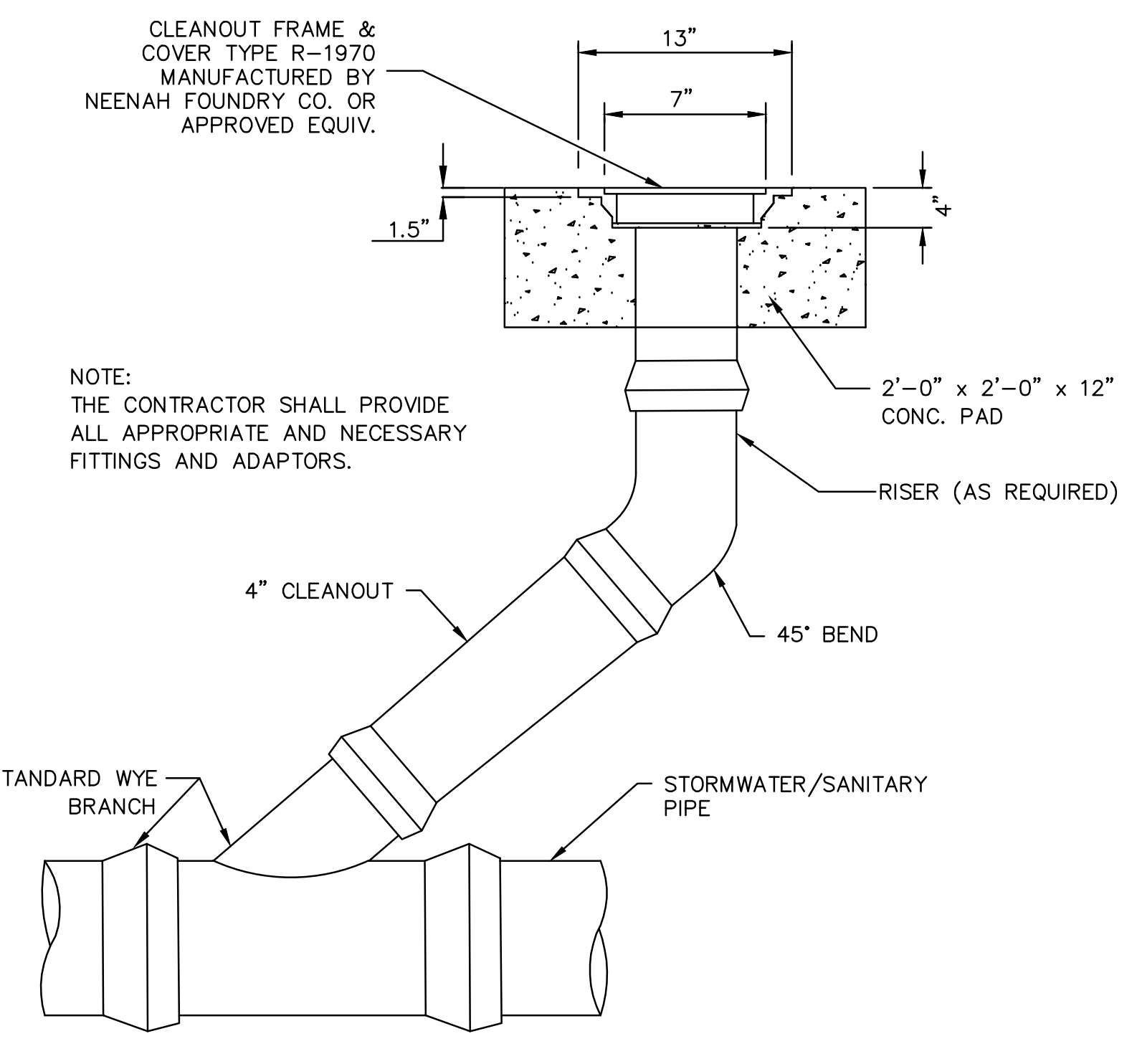
NTS


1⅛"±⅛"
A
A
9⅜"±⅛"
3⅜"±⅛"
1" MIN.
14" – 16"
12" – 14"
COPOLYMER POLYPROPYLENE PLASTIC
#13 GRADE 60 REINFORCEMENT STEEL
SECTION A–A
6"
NOTE:
LADDER RUNGS FACING TRAFFIC 12" C TO C

REF: NEW JERSEY DEPARTMENT OF TRANSPORTATION DETAIL (CD–602–1.5)

8 COPOLYMER PLASTIC LADDER RUNG

NTS


CLEANOUT FRAME & COVER TYPE R–1970 MANUFACTURED BY NEENAH FOUNDRY CO. OR APPROVED EQUIV.
13"
7"
1.5"
4"
2'–0" x 2'–0" x 12" CONC. PAD
RISER (AS REQUIRED)
4" CLEANOUT
45° BEND
STANDARD WYE BRANCH
STORMWATER/SANITARY PIPE

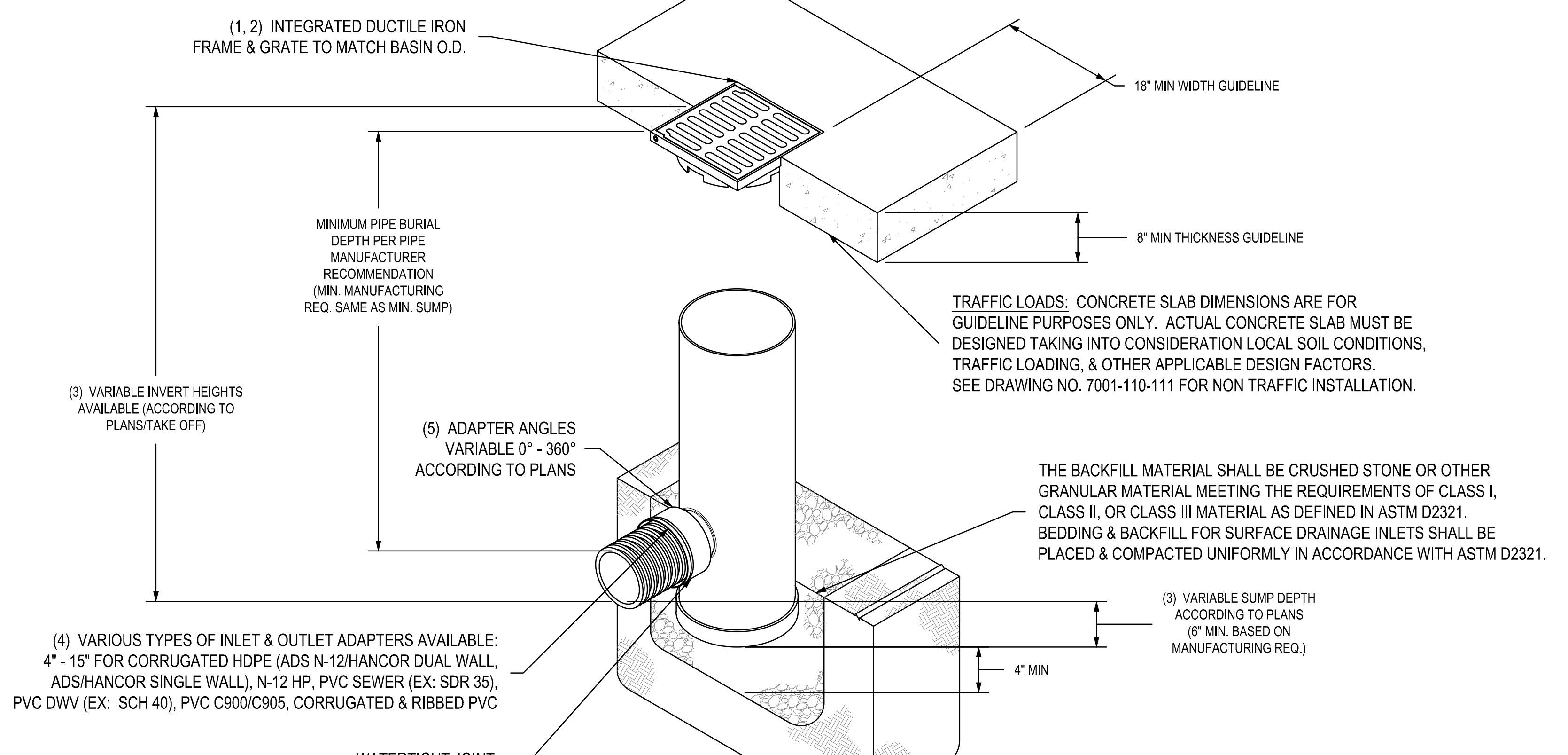
NOTE:
THE CONTRACTOR SHALL PROVIDE ALL APPROPRIATE AND NECESSARY FITTINGS AND ADAPTORS.

NOTES:

1. COVER TO BE MARKED 'SEWER' FOR SANITARY SEWER CLEANOUTS.
2. COVER TO BE MARKED 'STORM' FOR STORM SEWER CLEANOOUTS.
3. PROVIDE SHOP DRAWINGS REVIEW AND APPROVAL.

9 CLEANOUT

NTS

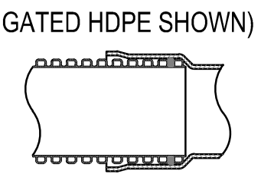

(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.
18" MIN WIDTH GUIDELINE
8" MIN THICKNESS GUIDELINE
MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION (MIN. MANUFACTURING REQ. SAME AS MIN. SUMP)
(3) VARIABLE INVERT HEIGHTS AVAILABLE (ACCORDING TO PLANS/TAKE OFF)
(5) ADAPTER ANGLES VARIABLE 0° - 360° ACCORDING TO PLANS
(3) VARIABLE SUMP DEPTH ACCORDING TO PLANS (6" MIN. BASED ON MANUFACTURING REQ.)
4" MIN

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION.

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

(4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 15" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1599CGP	7001-110-207
STANDARD	MEETS H-20	1599CGS	7001-110-208
SOLID COVER	MEETS H-20	1599CGC	7001-110-209
PEDESTRIAN BRONZE	N/A	1599CGPB	7001-110-210
DOME	N/A	1599CGD	7001-110-211
DROP IN GRATE	LIGHT DUTY	1501DI	7001-110-073

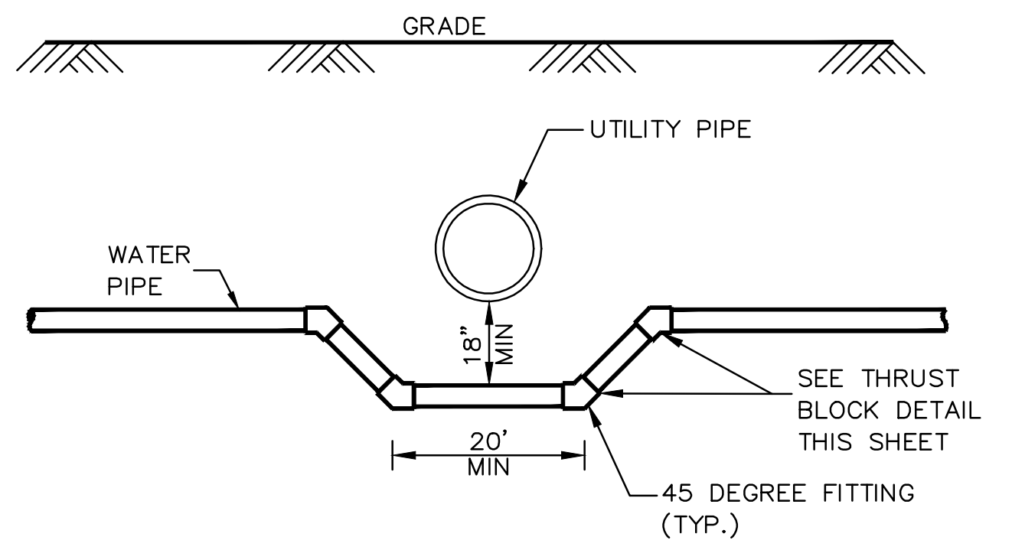
1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

NOTES:

1. DETAIL OBTAINED FROM ADS WEBSITE.
2. PROVIDE SHOP DRAWINGS REVIEW AND APPROVAL.
3. REFER TO DRAINAGE STRUCTURE SCHEDULE ON DRAWING CG102 FOR SPECIFIED GRATE TYPES FOR EACH NYLOPLAST STRUCTURE.

10 NYLOPLAST DRAIN BASIN

NTS


GRADE
UTILITY PIPE
WATER PIPE
18" MIN
20' MIN
SEE THRUST BLOCK DETAIL THIS SHEET
45 DEGREE FITTING (TYP.)

NOTE:

1. ONE FULL LENGTH OF WATER PIPE SHOULD BE CENTERED UNDER THE CROSS PIPE SO THAT ALL JOINTS WILL BE AS FAR FROM THE CROSSING AS POSSIBLE.

11 DEPRESSED WATER LINE

NTS

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

LANGAN
Langan Engineering and
Environmental Services, LLC

300 Kimball Drive
Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

CONSTRUCTION DETAILS III

Project No.
102054601
Date
7/24/2026
Drawn By
GC
Checked By
BMW

CS503

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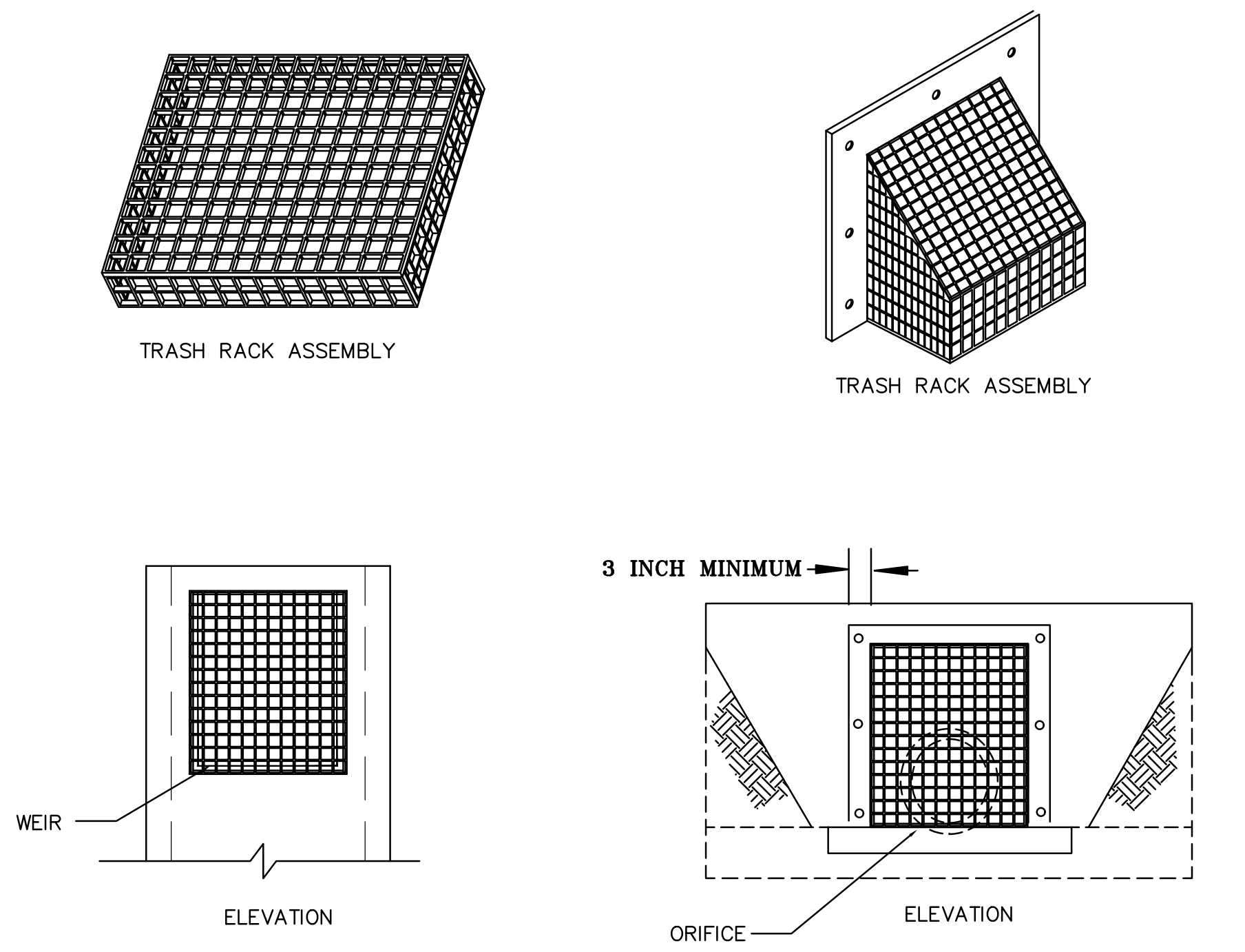

TRASH RACK ASSEMBLY
TRASH RACK ASSEMBLY
3 INCH MINIMUM
WEIR
ELEVATION
ORIFICE
ELEVATION

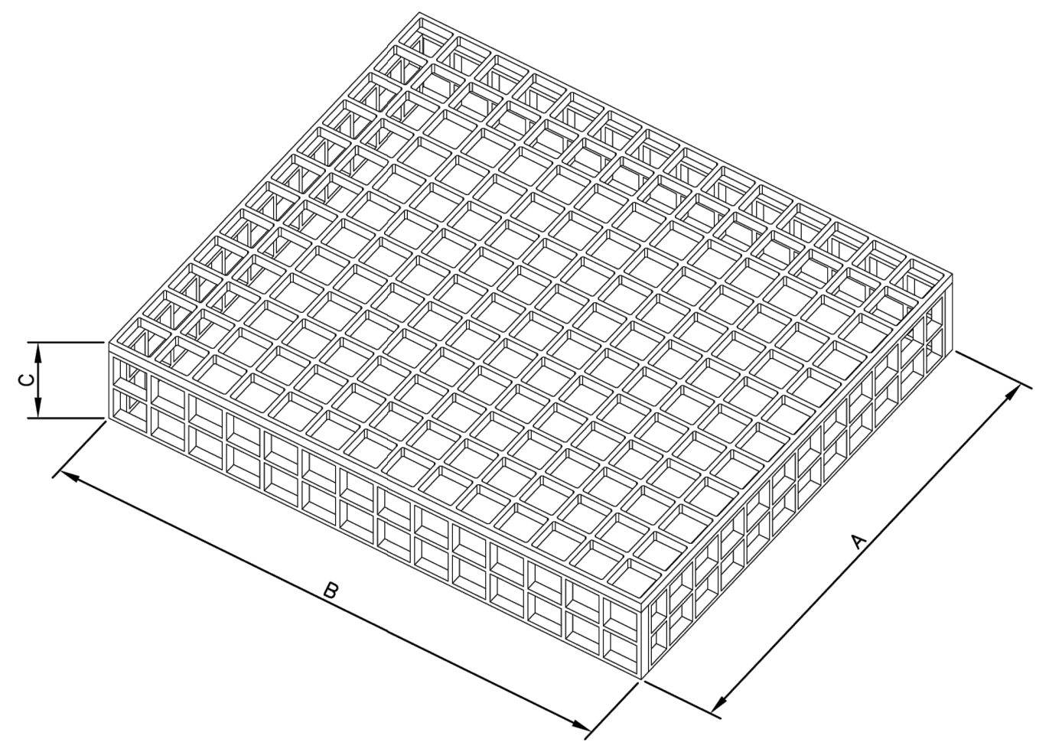
GENERAL NOTES:

1. TRASH RACKS SHALL BE INSTALLED AT THE INTAKE TO EACH OUTLET CONTROL STRUCTURE AND SHALL COMPLY WITH RSIS REQUIREMENTS.
2. TRASH RACKS SHALL BE ABLE TO WITHSTAND A PERPENDICULAR LIVE LOADING OF 300 PSF.
3. TRASH RACKS SHALL EXTEND A MINIMUM OF 6 INCHES OUTSIDE THE EXTENTS OF THE WEIR/ORIFICE AND SHALL NOT ADVERSELY AFFECT THE HYDRAULIC PERFORMANCE OF THE STRUCTURE.
4. ALL GRATES, PLATES AND ANGLES WILL BE ALUMINUM AND SHALL BE CORROSION RESISTANT.
5. ALL BOLTS WILL BE STAINLESS STEEL.
6. TRASH RACK SHALL HAVE PARALLEL BARS WITH ONE–INCH SPACING BETWEEN BARS TO THE ELEVATION OF THE WATER QUALITY DESIGN STORM. FOR ELEVATIONS HIGHER THAN THE WATER QUALITY DESIGN STORM, THE PARALLEL BARS AT THE OUTLET STRUCTURE SHALL BE SPACED NO GREATER THAN ONE–THIRD THE WIDTH OF THE DIAMETER OF THE ORIFICE OR ONE–THIRD THE WIDTH OF THE WEIR, WITH A MINIMUM SPACING BETWEEN BARS OF ONE INCH AND A MAXIMUM SPACING BETWEEN BARS OF SIX INCHES.

1 OUTLET CONTROL STRUCTURE TRASH RACK

NTS

FLAT ROOF RECTANGULAR RACKS/WEIRS
(STANDARD SIZES)
DIMENSIONS IN INCHES TO THE NEAREST 1/4"



HOST STRUCTURE INSIDE DIMENSIONS
______ LENGTH ______ WALL THICKNESS (REQUIRED)
______ WIDTH

AS DISTRIBUTED BY CONTECH CONSTRUCTION PRODUCTS NATIONALLY

WIDTH (A)	11 3/8	16 3/4	22 1/8	27 1/2	32 7/8	38 1/4	43 5/8	49	54 3/8	59 3/4	65 1/8	70 1/2	75 7/8	81 7/8	87 1/4
CODE	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16

LENGTH (B)	11 3/8	16 3/4	22 1/8	27 1/2	32 7/8	38 1/4	43 5/8	49	54 3/8	59 3/4	65 1/8	70 1/2	75 7/8	81 7/8	87 1/4
CODE	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16

HEIGHT (C)	7 1/2	12 7/8
CODE	01	02
	1 GRID HIGH	2 GRID HIGH

FLAT ROOF (FR) -------- -------- --------
WIDTH (A) LENGTH (B) HEIGHT (C)

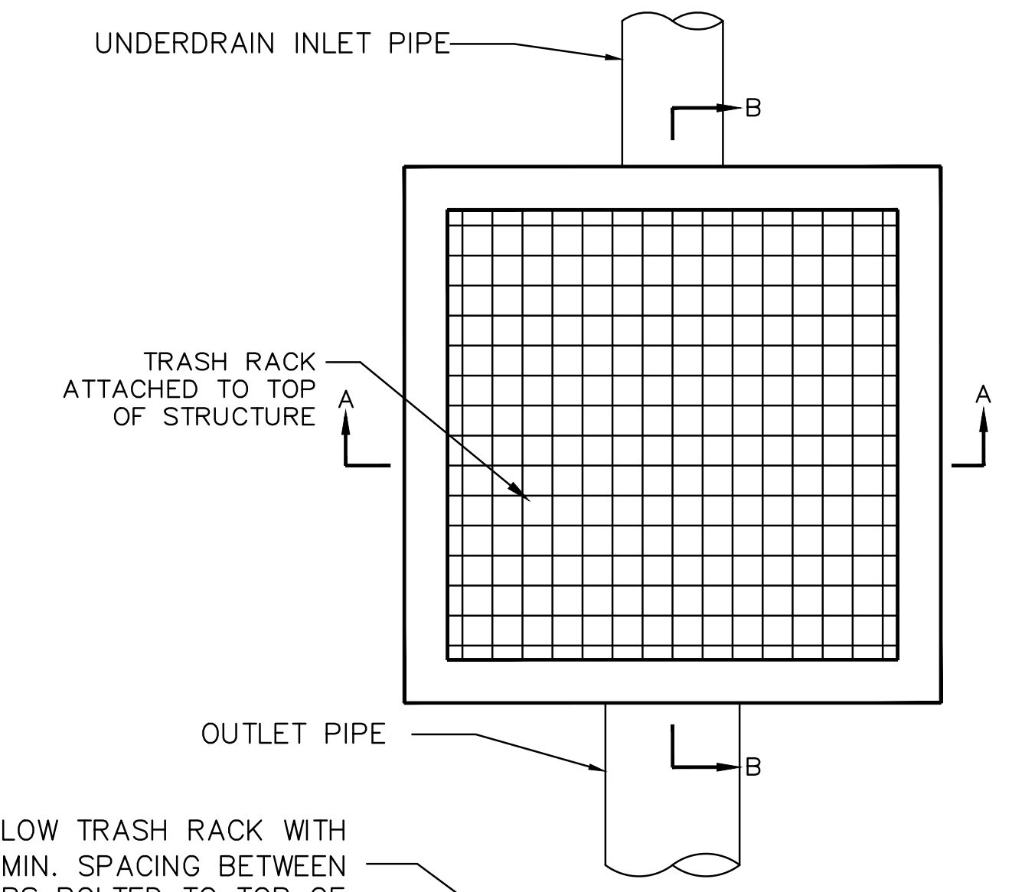
NOTES:

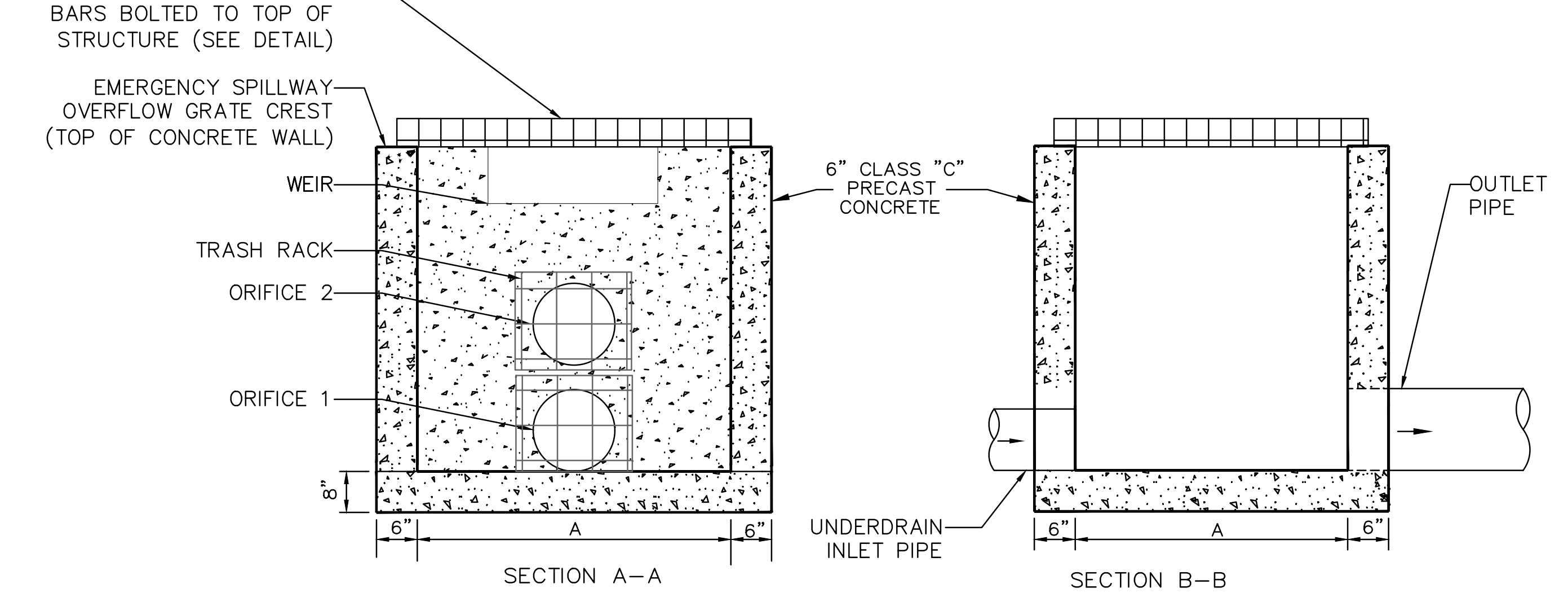
1. DETAIL OBTAINED FROM CONTECH WEBSITE. REFER TO CONTECH FOR INSTALLATION REQUIREMENTS.
2. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
3. THE OVERFLOW GRATE SHALL BE CONSTRUCTED OF RIGID, DURABLE, AND CORROSION RESISTANT MATERIAL AND DESIGNED TO WITHSTAND A PERPENDICULAR LIVE LOADING OF 300 PSF.

	STRUCTURE DIMENSIONS	DIMENSION A	DIMENSION B	DIMENSION C
OCS–101	4'X4'	49"	49"	7 ½"
OCS–201	4'X4'	49"	49"	7 ½"
OCS–202	4'X4'	49"	49"	7 ½"

2 OVERFLOW TRASH RACK

NTS


UNDERDRAIN INLET PIPE
B
TRASH RACK ATTACHED TO TOP OF STRUCTURE
A
A
OUTLET PIPE
B


OVERFLOW TRASH RACK WITH 2" MIN. SPACING BETWEEN BARS BOLTED TO TOP OF STRUCTURE (SEE DETAIL)
EMERGENCY SPILLWAY OVERFLOW GRATE CREST (TOP OF CONCRETE WALL)
WEIR
TRASH RACK
ORIFICE 2
ORIFICE 1
8"
6"
A
6"
SECTION A–A
6" CLASS "C" PRECAST CONCRETE
UNDERDRAIN INLET PIPE
6"
A
6"
SECTION B–B
OUTLET PIPE

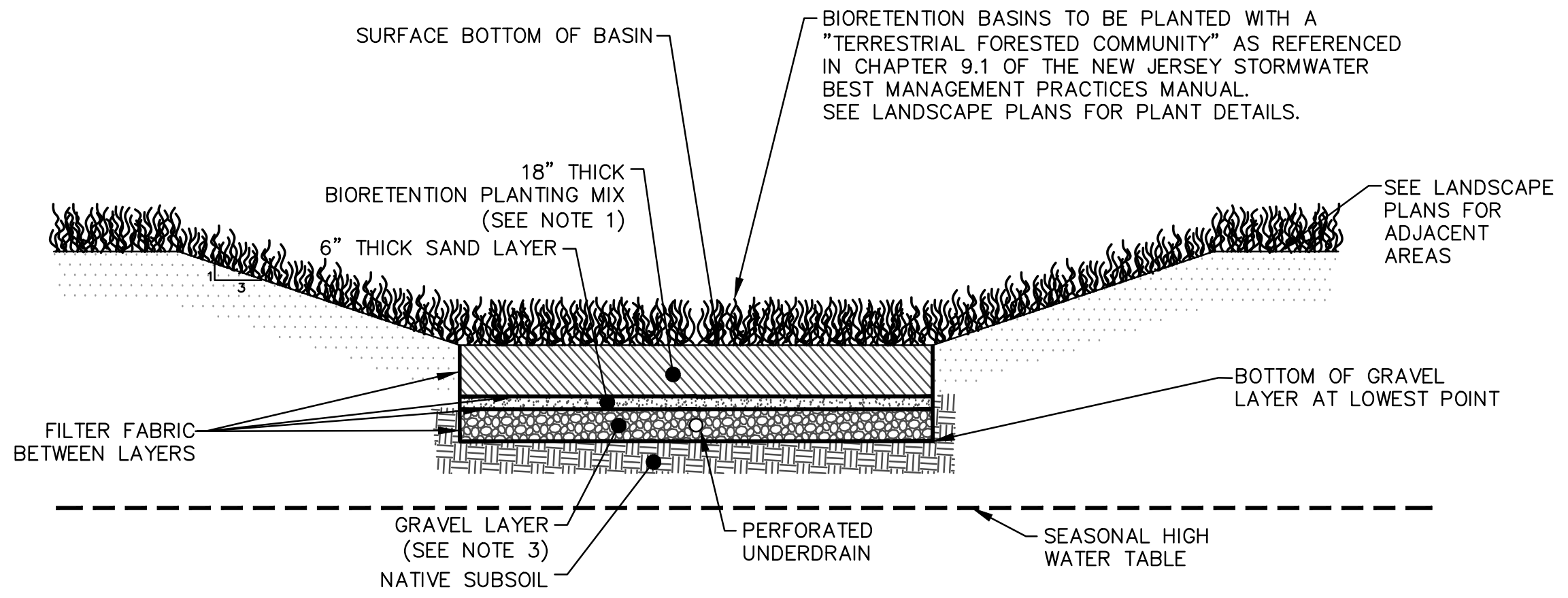
DATA CENTER AT BELL WORKS - BIORETENTION BASIN OUTLET CONTROL STRUCTURE SUMMARY TABLE										
BASIN NO.	UNDERDRAIN PIPE		OUTLET PIPE		ORIFICE 1		ORIFICE 2		OVERFLOW INLET	
	SIZE	INVERT ELEVATION (FEET)	SIZE	INVERT ELEVATION (FEET)	SIZE	INVERT ELEVATION (FEET)	SIZE	INVERT ELEVATION (FEET)	DIMENSION 'A' SIZE (FEET)	TOP OF STRUCTURE ELEVATION (FEET)
1	6" HDPE	99.75	18" HDPE	99.75	2.5"H X 27" W RECT.	103.80	2.5" H X 20" W RECT.	105.40	4	106.50
2	6" HDPE	99.25	18" HDPE	99.25	3.5" H X 32" W RECT.	103.20	4" H X 15" W RECT.	104.30	4	105.00
3	6" HDPE	99.25	18" HDPE	99.25	2.5" H X 18" W RECT.	103.00	2.5" H X 8" W RECT.	104.00	4	105.00

NOTES:

1. ALL ANCHOR BOLTS, NUTS AND WASHERS TO BE GALVANIZED.
2. PROVIDE PLASTIC LADDER RUNGS 12" O.C.. MAXIMUM DISTANCE BETWEEN BOTTOM OF STEP AND BOTTOM OF STRUCTURE SHALL NOT EXCEED 18 INCHES.
3. CONCRETE TO TEST 4,500 PSI MIN. @ 28 DAYS.
4. CONCRETE STRUCTURE REINFORCING AS PER ASTM A–185.
5. THE PRECASTER SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE STRUCTURE.
6. PROVIDE SHOP DRAWINGS FOR STRUCTURES AND APPURTENANCES FOR REVIEW AND APPROVAL.

3 BIORETENTION BASIN OUTLET CONTROL STRUCTURE

NTS


SURFACE BOTTOM OF BASIN
BIORETENTION BASINS TO BE PLANTED WITH A "TERRESTRIAL FORESTED COMMUNITY" AS REFERENCED IN CHAPTER 9.1 OF THE NEW JERSEY STORMWATER BEST MANAGEMENT PRACTICES MANUAL. SEE LANDSCAPE PLANS FOR PLANT DETAILS.
18" THICK BIORETENTION PLANTING MIX (SEE NOTE 1)
6" THICK SAND LAYER
SEE LANDSCAPE PLANS FOR ADJACENT AREAS
1
3
FILTER FABRIC BETWEEN LAYERS
BOTTOM OF GRAVEL LAYER AT LOWEST POINT
GRAVEL LAYER (SEE NOTE 3)
NATIVE SUBSOIL
PERFORATED UNDERDRAIN
SEASONAL HIGH WATER TABLE

BIORETENTION BASIN WITH UNDERDRAIN

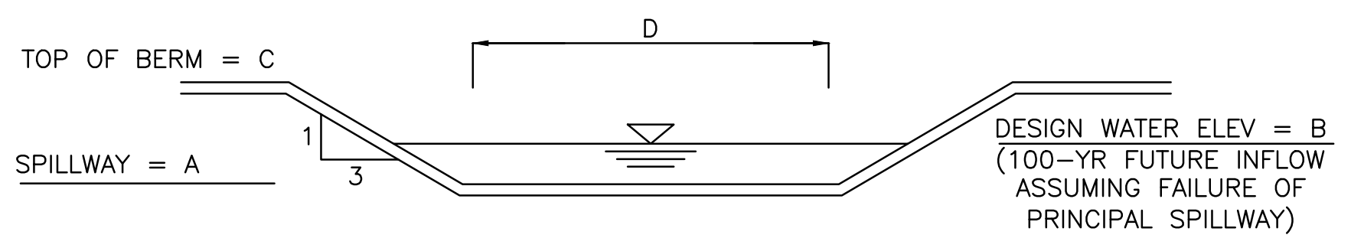
NOTES:

1. SEE PLANTING SOIL SPECIFICATIONS FOR BIORETENTION BASIN SOIL AND PREPARATION NOTES.
2. BIORETENTION BASIN (INCLUDING THE PLANT MIX, SAND, AND GRAVEL LAYER) TO BE CONSTRUCTED IN CONFORMANCE WITH NEW JERSEY STORMWATER BEST MANAGEMENT PRACTICES MANUAL SECTION 9.7: SMALL–SCALE BIORETENTION BASIN.
3. 3 INCHES OF GRAVEL LAYER SHALL BE PROVIDED ABOVE THE PERFORATED UNDERDRAIN AND A MINIMUM OF 3 INCHES OF GRAVEL LAYER SHALL BE BELOW THE PERFORATED UNDERDRAIN. THICKNESS OF GRAVEL LAYER WILL VARY THROUGHOUT BASIN AS A RESULT OF THE SLOPED UNDERDRAIN.
4. THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85–95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
5. THE TESTED PERMEABILITY RATE OF THE SOIL MEDIA SHALL BE AT LEAST 1 IN/HR.
6. THE 6" THICK SAND LAYER SHALL CONSIST OF MEDIUM–AGGREGATE CONCRETE SAND (AASHTO M–6/ASTM C–33) AND HAVE A PERMEABILITY RATE OF AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SOIL MEDIA.
7. THE GRAVEL LAYER SHALL CONSIST OF 0.5 TO 1.5 INCH CLEAN, BROKEN STONE OR PEA GRAVEL (AASHTO M–43).
8. PROVIDE SHOP DRAWINGS FOR ALL BASIN COMPONENTS (SOIL MEDIA, GRAVEL, SAND, PLANTINGS, UNDERDRAIN, ETC) FOR REVIEW AND APPROVAL PRIOR TO IMPORT TO THE SITE.

DATA CENTER AT BELL WORKS - BASIN SUMMARY TABLE												
BASIN NO.	BASIN SURFACE ELEVATION (FEET)	WATER QUALITY WSE (FEET)	2-YR CURRENT WSE[1] (FEET)	2-YR FUTURE WSE[1] (FEET)	10-YR CURRENT WSE[1] (FEET)	10-YR FUTURE WSE[1] (FEET)	100-YR CURRENT WSE[1] (FEET)	100-YR FUTURE WSE[1] (FEET)	SPILLWAY FULL-FLOW WSE[2] (FEET)	BOTTOM ELEVATION OF GRAVEL LAYER (FEET)	SEASONAL HIGH WATER TABLE ELEVATION[3] (FEET)	SEPARATION FROM BOTTOM OF BMP TO SEASONAL HIGH WATER TABLE (FEET)
1	103	103.79	104.23	104.41	104.77	105.06	105.86	106.45	106.35	99.5	96.0	3.50
2	102.5	103.19	103.53	103.66	103.87	104.06	104.56	104.97	105.30	99.0	98.0	1.00
3	102.5	102.99	103.34	103.49	103.78	103.99	104.53	104.97	105.28	99.0	98.0	1.00

4 BIORETENTION BASIN

NTS

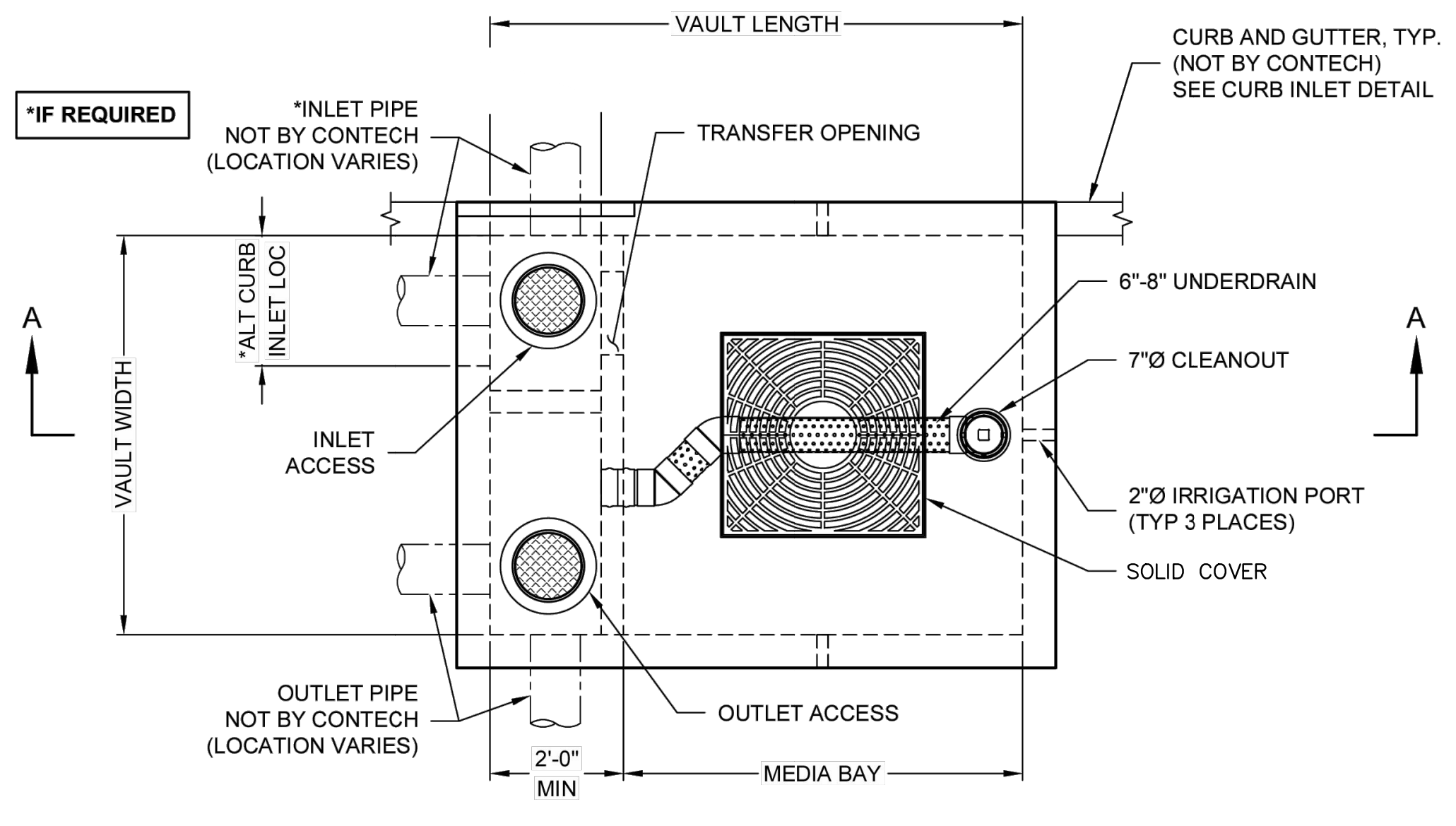

TOP OF BERM = C
D
SPILLWAY = A
1
3
DESIGN WATER ELEV = B
(100–YR FUTURE INFLOW ASSUMING FAILURE OF PRINCIPAL SPILLWAY)

DATA CENTER AT BELL WORKS - EMERGENCY SPILLWAY SUMMARY TABLE				
BASIN NO.	ELEVATION 'A' (FEET)	ELEVATION 'B' (FEET)	ELEVATION 'C' (FEET)	WIDTH 'D' (FEET)
1	106.50	106.85	107.50	29
2	105.00	105.30	106.00	33
3	105.00	105.28	106.00	40

5 EMERGENCY SPILLWAY

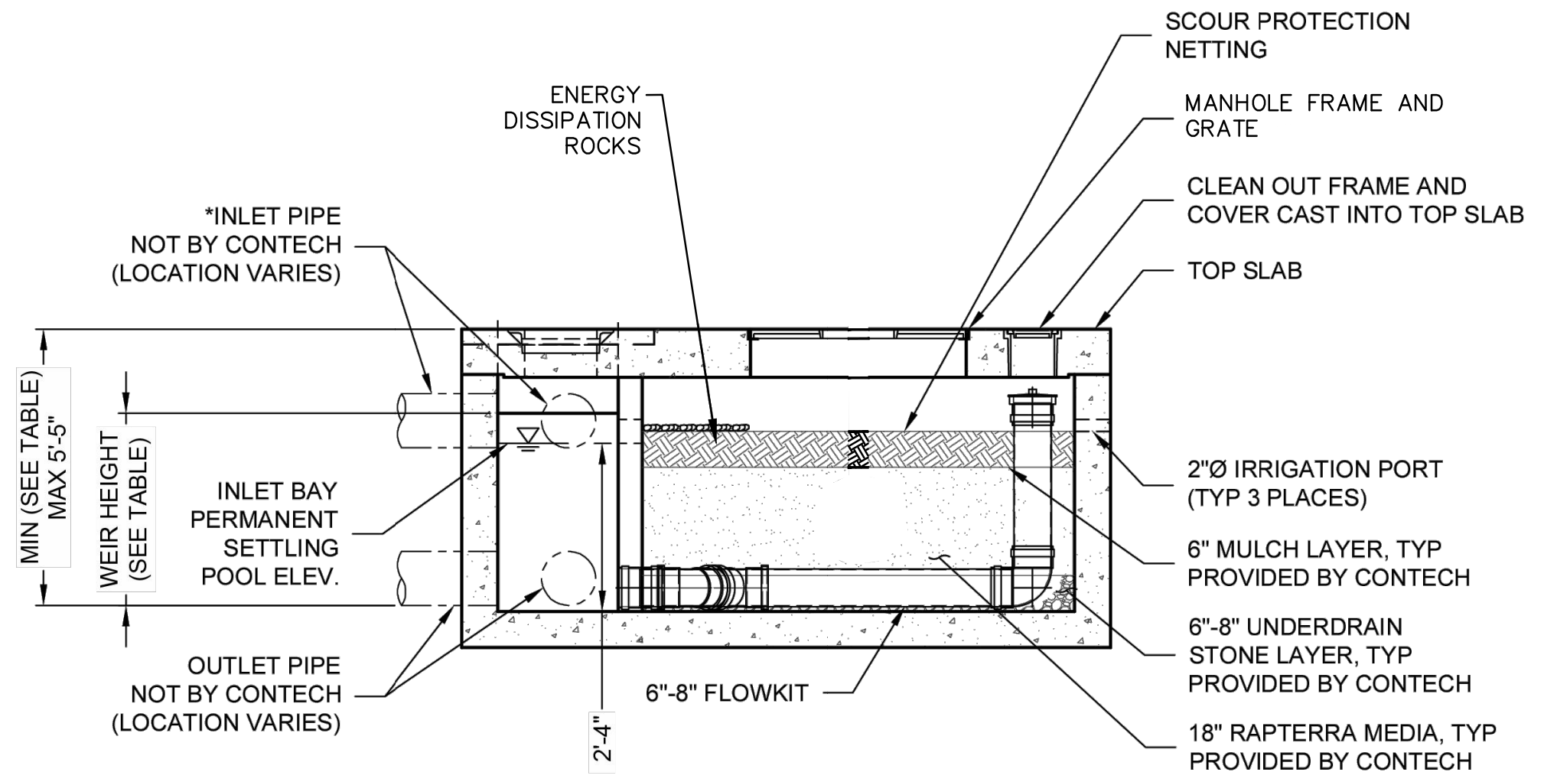
NTS

***IF REQUIRED**


VAULT LENGTH
*INLET PIPE NOT BY CONTECH (LOCATION VARIES)
TRANSFER OPENING
CURB AND GUTTER, TYP. (NOT BY CONTECH) SEE CURB INLET DETAIL
*ALT CURB INLET LOC
A
A
VAULT WIDTH
6"-8" UNDERDRAIN
7"Ø CLEANOUT
INLET ACCESS
2"Ø IRRIGATION PORT (TYP 3 PLACES)
SOLID COVER
OUTLET PIPE NOT BY CONTECH (LOCATION VARIES)
OUTLET ACCESS
2'-0" MIN
MEDIA BAY

PLAN VIEW

RTPD CONFIGURATION (OPTIONS: THROAT INLET "-T", PIPE INLET "-P", PIPE AND THROAT INLET "-PT")											
MEDIA BAY SIZE (VAULT SIZE)	EFFECTIVE FILTRATION TREATMENT AREA (SF)	MTFR (cfs)	DESIGNATION	UNDERDRAIN SIZE	MIN RIM TO OUTLET	*WEIR LENGTH / MAX CURB OPENING	WEIR HEIGHT (ABOVE OUTLET)	TRANSFER OPENING SIZE	INLET / OUTLET ACCESS DIA.	TREE GRATE QTY. & SIZE	
4x4 (6x4)	15.79	0.344	RTPD0404	6" SDR 35	4'-1"	1'-8"	35"	4" x 15"	12" / 12"	(1) 3' x 3'	
4x6 (8x4)	23.79	0.518	RTPD0406	6" SDR 35	4'-1"	1'-8"	35"	4" x 15"	12" / 12"	(1) 3' x 3'	
6x4 (6x6)	23.79	0.518	RTPD0604	6" SDR 35	4'-1"	1'-8"	35"	4" x 36"	12" / 12"	(1) 3' x 3'	
4.5x5.83 (7.83 x 4.5)	26.02	0.567	RTPD045078	6" SDR 35	4'-1"	1'-8"	35"	4" x 20"	12" / 12"	(1) 3' x 3'	
6x6 (8x6)	35.79	0.780	RTPD0606	6" SDR 35	4'-1"	1'-8"	35"	4" x 36"	12" / 12"	(1) 3' x 3'	
6x8 (10x6)	47.79	1.041	RTPD0608	8" SDR 35	4'-3"	1'-8"	37"	4" x 36"	12" / 12"	(1) 4' x 4'	WQ–104
6x10 (12x6)	59.62	1.299	RTPD0610	8" SDR 35	4'-3"	1'-8"	37"	4" x 36"	12" / 12"	(1) 4' x 4'	WQ–103
7x10 (13x7)	69.62	1.517	RTPD0710	8" SDR 35	4'-3"	2'-6"	37"	4" x 42"	24" / 24"	(1) 4' x 4'	
8x10.5 (14x8)	83.62	1.822	RTPD08105	8" SDR 35	4'-4"	3'-0"	38"	5" x 48"	24" / 24"	(1) 4' x 4'	WQ–102
8x12.5 (16x8)	99.62	2.171	RTPD08125	8" SDR 35	4'-4"	3'-0"	38"	5" x 48"	24" / 24"	(2) 4' x 4'	WQ–101
8x14 (18x8)	111.23	2.424	RTPD0814	8" SDR 35	4'-5"	3'-6"	39"	6" x 48"	24" / 24"	(2) 4' x 4'	
8x16 (20x8)	127.23	2.772	RTPD0816	8" SDR 35	4'-6"	3'-6"	40"	7" x 48"	24" / 24"	(2) 4' x 4'	
8x18 (22x8)	143.23	3.121	RTPD0818	8" SDR 35	4'-6"	3'-6"	40"	7" x 48"	24" / 24"	(2) 4' x 4'	
*SITE SPECIFIC ANALYSIS IS REQUIRED TO DETERMINE CURB INLET AND WEIR OVERFLOW CAPACITIES.											


SCOUR PROTECTION NETTING
ENERGY DISSIPATION ROCKS
MANHOLE FRAME AND GRATE
CLEAN OUT FRAME AND COVER CAST INTO TOP SLAB
*INLET PIPE NOT BY CONTECH (LOCATION VARIES)
TOP SLAB
MIN (SEE TABLE) MAX 5'-5"
WEIR HEIGHT (SEE TABLE)
INLET BAY PERMANENT SETTLING POOL ELEV.
2"Ø IRRIGATION PORT (TYP 3 PLACES)
6" MULCH LAYER, TYP PROVIDED BY CONTECH
6"-8" UNDERDRAIN STONE LAYER, TYP PROVIDED BY CONTECH
OUTLET PIPE NOT BY CONTECH (LOCATION VARIES)
6"-8" FLOWKIT
18" RAPTERRA MEDIA, TYP PROVIDED BY CONTECH
2'-4"

SECTION A-A

***IF REQUIRED**

NOTES:

1. DETAIL OBTAINED FROM CONTECH WEBSITE. REFER TO CONTECH FOR INSTALLATION REQUIREMENTS.
2. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.

6 WATER QUALITY CONTROL STRUCTURE

NTS

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

LANGAN
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NJ Certificate of Authorization No. 24GA27996400

Project
DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title
CONSTRUCTION DETAILS IV

Project No. 102054601
Date 7/24/2026
Drawn By GC
Checked By BMW

CS504

Project No. 102054601

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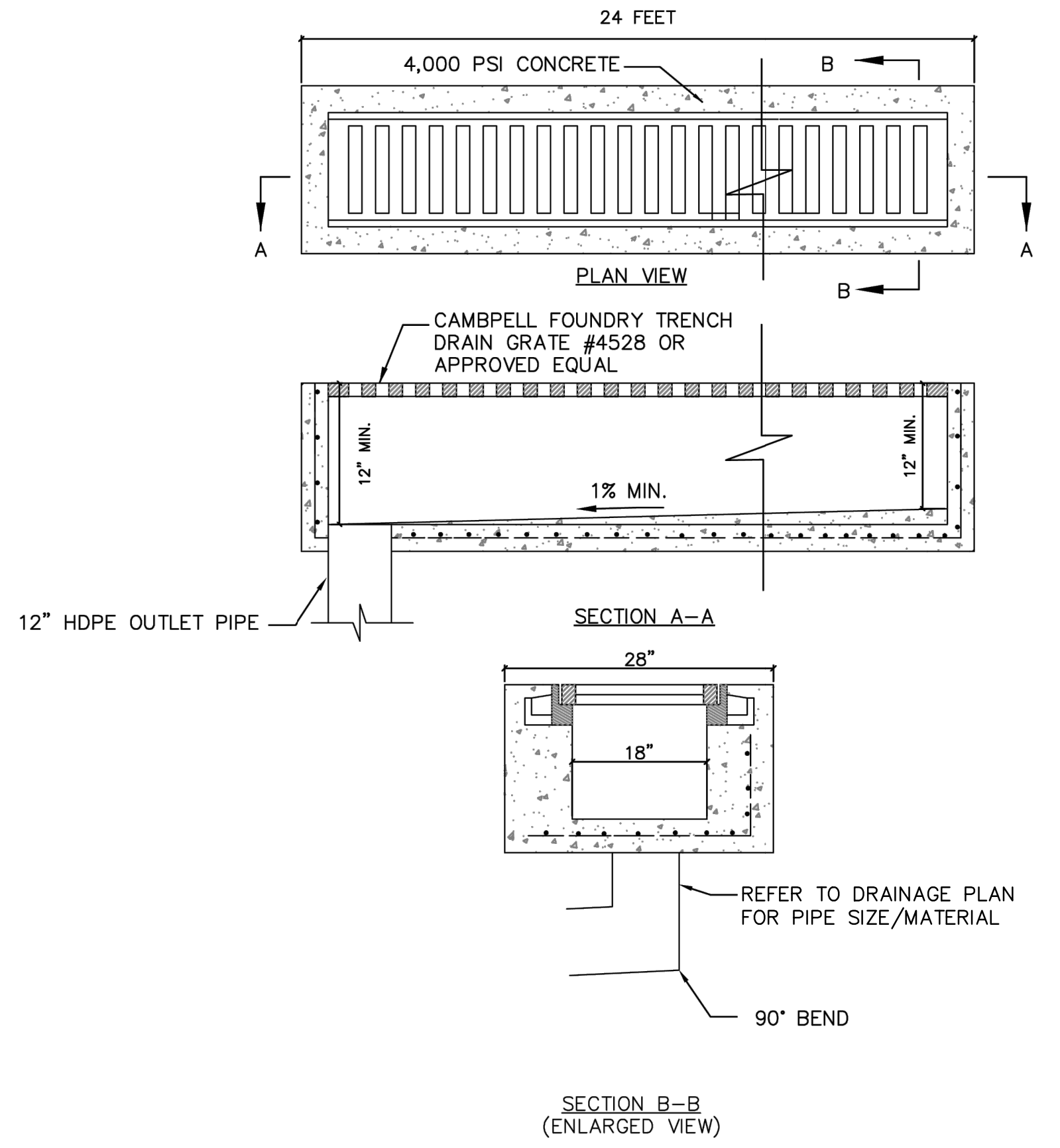
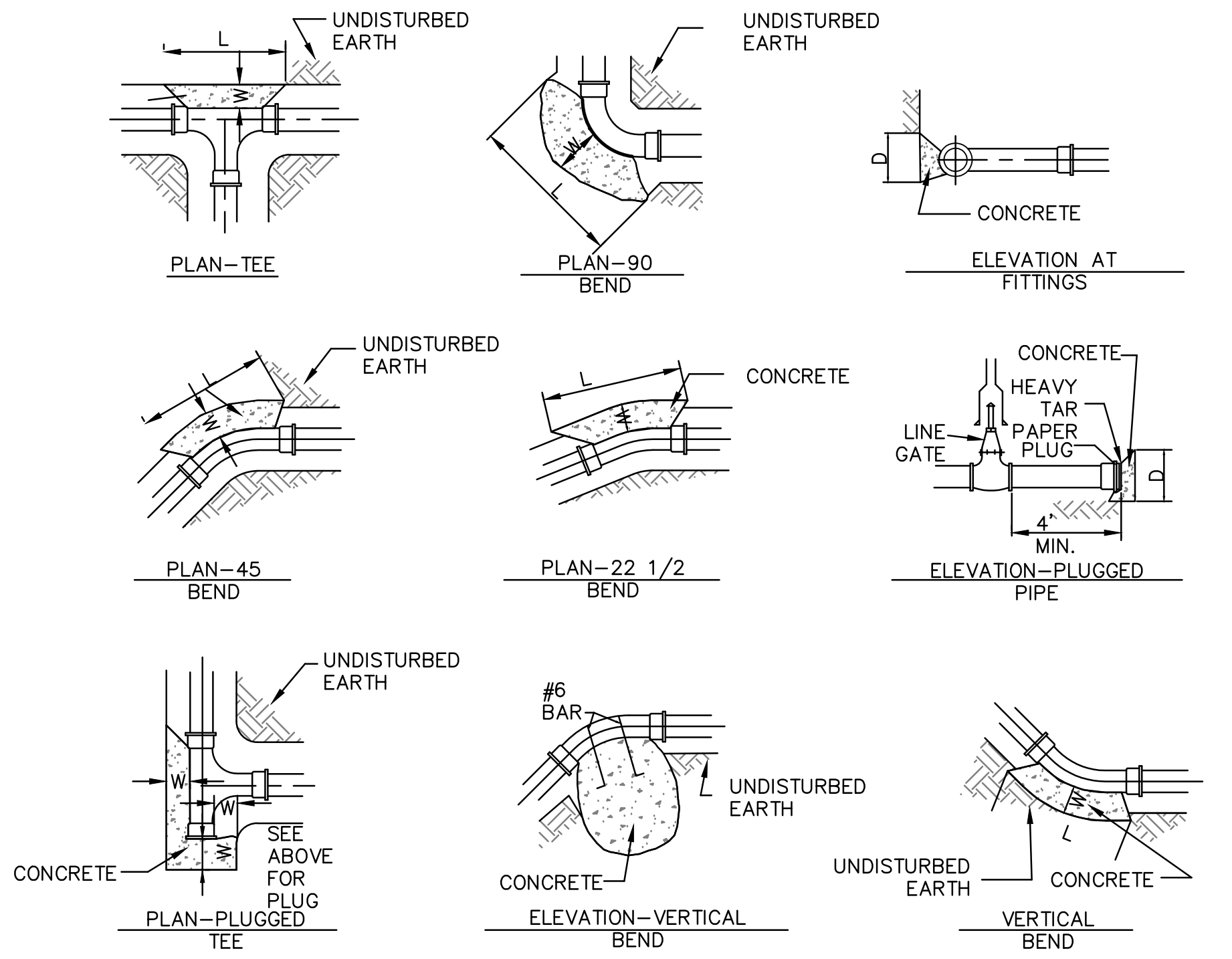

24 FEET
4,000 PSI CONCRETE
B
A
A
B
PLAN VIEW
CAMBPELL FOUNDRY TRENCH DRAIN GRATE #4528 OR APPROVED EQUAL
12" MIN.
12" MIN.
1% MIN.
12" HDPE OUTLET PIPE
SECTION A–A
28"
18"
REFER TO DRAINAGE PLAN FOR PIPE SIZE/MATERIAL
90° BEND
SECTION B–B
(ENLARGED VIEW)

NOTES:
1. CONCRETE STRUCTURE TO BE DESIGNED TO AASHTO HS–20 LOADING.
2. SUBGRADE TO BE COMPACTED TO 95% PROCTOR DENSITY.
3. PRECAST MANUFACTURER IS RESPONSIBLE FOR STRUCTURAL DESIGN OF ALL PROPOSED PRECAST STRUCTURES.
4. PROVIDE SHOP DRAWINGS FOR STRUCTURE AND APPURTENANCES FOR REVIEW.

1 TRENCH DRAIN

NTS


L
UNDISTURBED EARTH
W
PLAN–TEE
UNDISTURBED EARTH
W
L
PLAN–90 BEND
D
CONCRETE
ELEVATION AT FITTINGS
UNDISTURBED EARTH
L
W
PLAN–45 BEND
L
CONCRETE
W
PLAN–22 1/2 BEND
CONCRETE
HEAVY TAR PAPER PLUG
LINE GATE
D
4' MIN.
ELEVATION–PLUGGED PIPE
UNDISTURBED EARTH
W
W
W
CONCRETE
SEE ABOVE FOR PLUG
PLAN–PLUGGED TEE
#6 BAR
UNDISTURBED EARTH
CONCRETE
ELEVATION–VERTICAL BEND
W
L
UNDISTURBED EARTH
CONCRETE
VERTICAL BEND

THRUST BLOCK SCHEDULE									
PIPE SIZE	TEE		22 1/2		45		90		W
	L	D	L	D	L	D	L	D	
6"	18"	15"	15"	12"	15"	12"	15"	15"	21"
8"	2'	18"	18"	12"	18"	12"	2'	18"	2'
12"	3'	2'	2'	12"	2'	12"	3'	2'	28"
16"	4'	2.5'	2'	12"	2.33'	15"	4'	2.5'	31"
20"	5.25'	3'	2'	18"	3'	2'	5.25'	3'	33"
24"	7.5'	3'	3'	18"	4'	2.5'	7.5'	3'	3'

BASIS:
2,500 LB/SQ.FT. SOIL RESISTANCE 100 PSI WATER PRESSURE CORRECTION FACTORS FOR OTHER SOILS:

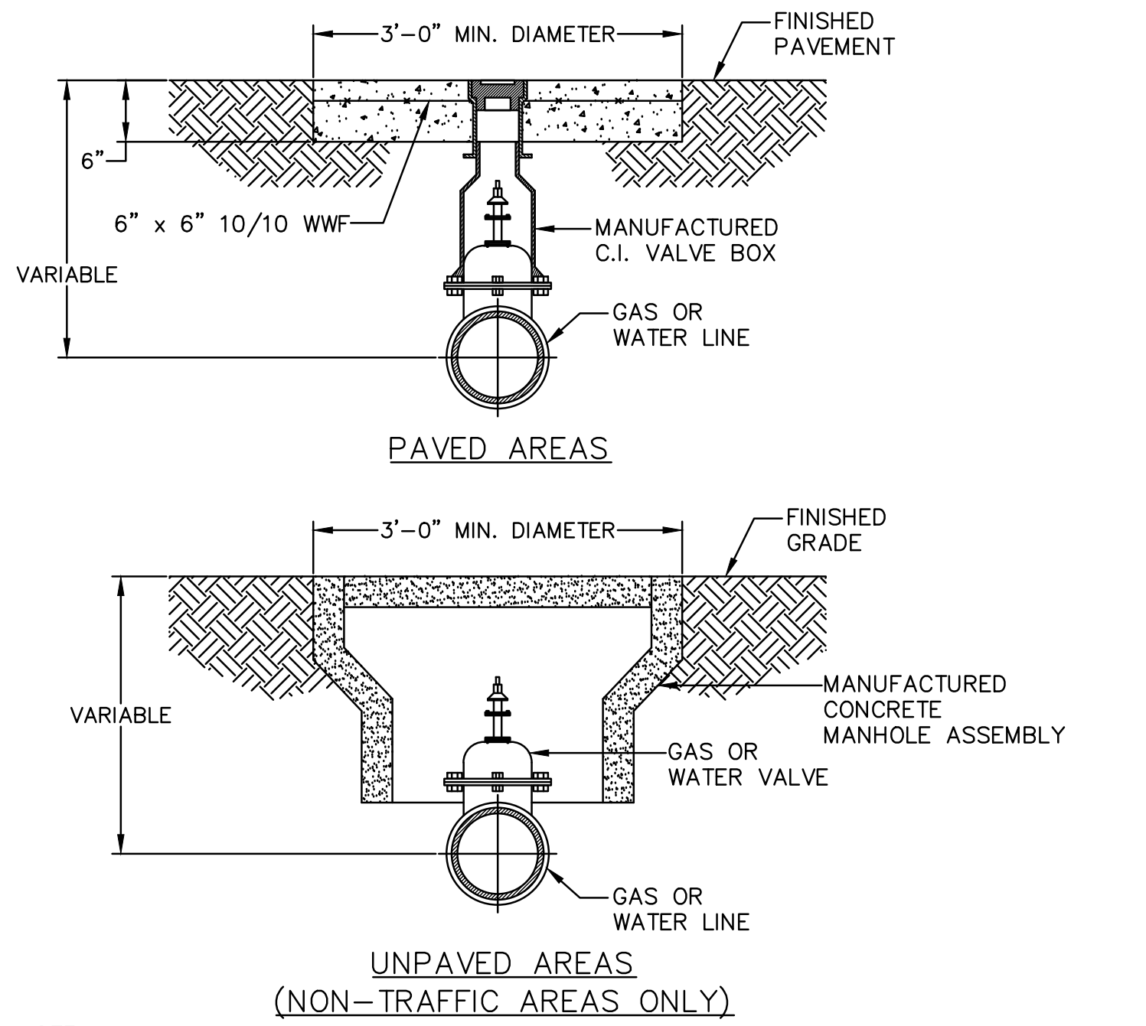
SOFT CLAY	4
SAND	2
SAND & GRAVEL	1.33
SHALE	0.4

NOTES:
1. IF SOFT MATERIALS ARE ENCOUNTERED, THE THRUST BLOCKS SIZES SHALL BE ADJUSTED ACCORDINGLY.

2. CONCRETE TO BE 4000 PSI.

2 THRUST BLOCKS

NTS

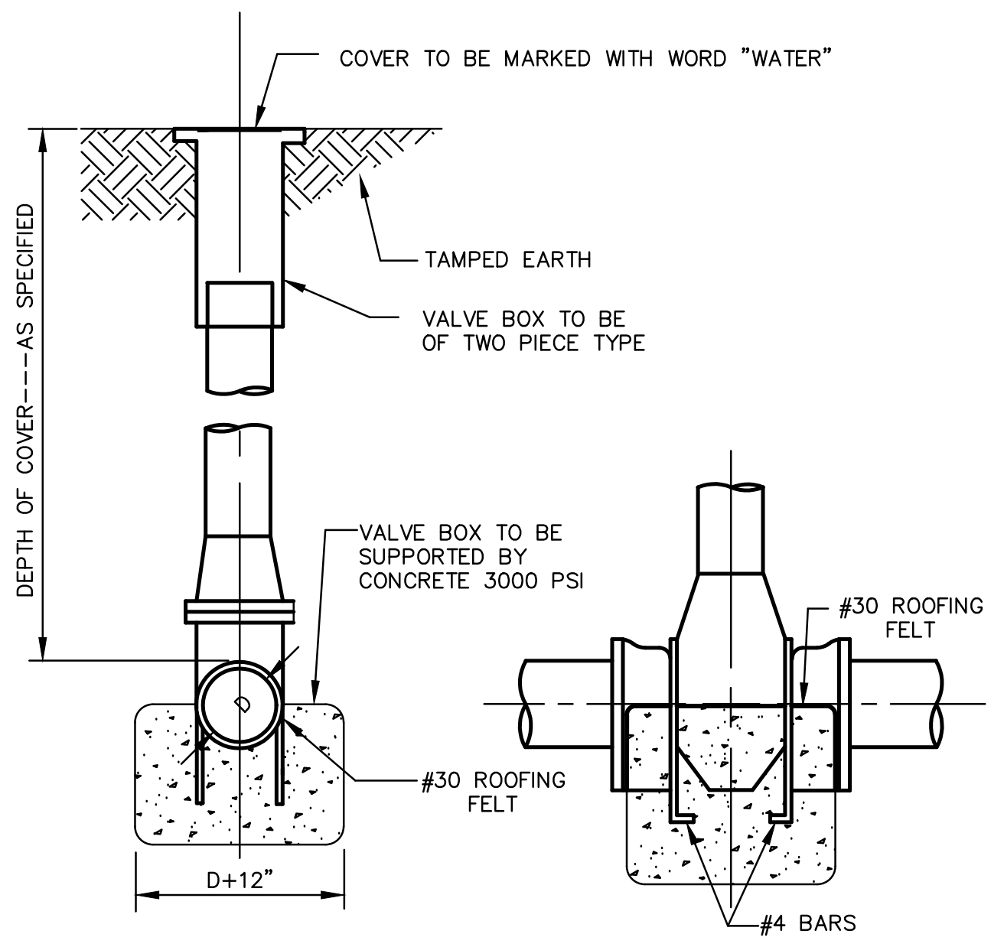

3'–0" MIN. DIAMETER
FINISHED PAVEMENT
6"
6" x 6" 10/10 WWF
VARIABLE
MANUFACTURED C.I. VALVE BOX
GAS OR WATER LINE
PAVED AREAS
3'–0" MIN. DIAMETER
FINISHED GRADE
VARIABLE
MANUFACTURED CONCRETE MANHOLE ASSEMBLY
GAS OR WATER VALVE
GAS OR WATER LINE
UNPAVED AREAS
(NON–TRAFFIC AREAS ONLY)

NOTE:

WORD "WATER" OR "GAS" CAST INTO CENTER OF CAST IRON CAP OR CONCRETE LID.

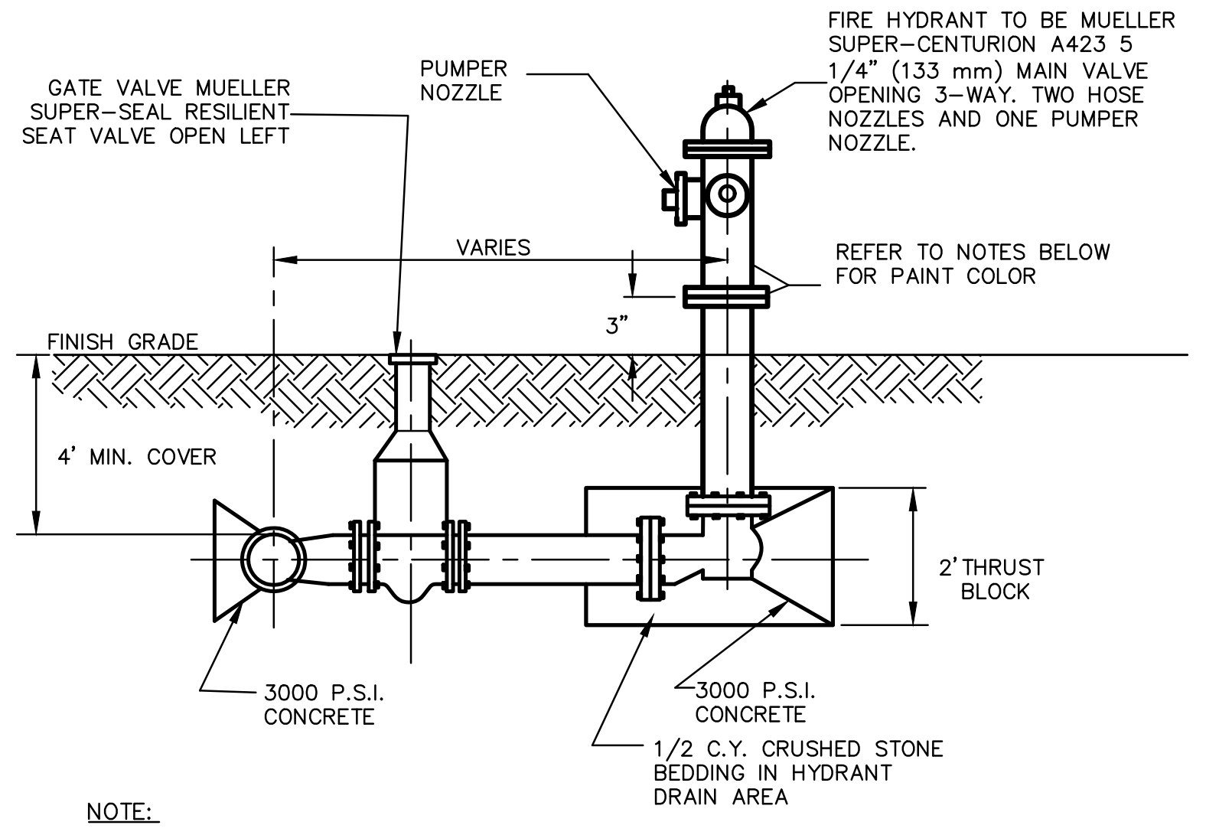
3 WATER VALVE BOX

NTS


COVER TO BE MARKED WITH WORD "WATER"
TAMPED EARTH
VALVE BOX TO BE OF TWO PIECE TYPE
DEPTH OF COVER–––AS SPECIFIED
VALVE BOX TO BE SUPPORTED BY CONCRETE 3000 PSI
#30 ROOFING FELT
D+12"
#30 ROOFING FELT
#4 BARS

4 GATE VALVE

NTS


GATE VALVE MUELLER SUPER–SEAL RESILIENT SEAT VALVE OPEN LEFT
PUMPER NOZZLE
FIRE HYDRANT TO BE MUELLER SUPER–CENTURION A423 5 1/4" (133 mm) MAIN VALVE OPENING 3–WAY. TWO HOSE NOZZLES AND ONE PUMPER NOZZLE.
VARIES
REFER TO NOTES BELOW FOR PAINT COLOR
3"
FINISH GRADE
4' MIN. COVER
2' THRUST BLOCK
3000 P.S.I. CONCRETE
3000 P.S.I. CONCRETE
1/2 C.Y. CRUSHED STONE BEDDING IN HYDRANT DRAIN AREA

NOTE:

1. TYPE OF HYDRANT TO BE MUELLER SUPER–CENTURION A423.
2. ALL PUMPER NOZZLES TO BE INSTALLED FACING TRAVELED WAY.
3. CONTRACTOR TO PROVIDE FIRE HYDRANT ACCESSORY SUBMITTAL FOR REVIEW AND APPROVAL.
4. ALL PROPOSED FIRE HYDRANTS WITHIN THE SITE WILL BE MAINTAINED BY THE BOROUGH OF NEW PROVIDENCE AND SHALL COMPLY THE FOLLOWING STANDARDS:
   - 4.1. ALL FIRE DEPARTMENT CONNECTIONS SHALL BE SIAMESE, FEMALE INLET 2.5" NATIONAL STANDARD THREAD
   - 4.2. ALL STANDPIPES SHALL BE 2.5 INCH NATIONAL STANDARD THREAD
   - 4.3. FIRE HYDRANTS SHALL BE PAINTED RED IN COLOR, 2.5" NATIONAL STANDARD THREAD ON THE SIDE PORTS, AND THE STEAMER PORT SHALL NOT BE A "STORZ" CONNECTION:
5. ONE PROPOSED FIRE HYDRANT WITHIN THE CHANLON ROAD RIGHT–OF–WAY WILL BE MAINTAINED BY NJ AMERICAN WATER AND SHALL COMPLY WITH THE FOLLOWING STANDARDS:
   - 5.1. FIRE HYDRANTS SHALL BE PAINTED BLUE IN COLOR, 3.156 X 6 THREADING ON SIDE PORTS, AND THE STEAMER PORT SHALL NOT BE A "STORZ" CONNECTION.

5 FIRE HYDRANT DETAIL

NTS

Project No. 102054601

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026
Signature Date
LEONARD D. SAVINO
PROFESSIONAL ENGINEER NJ Lic. No. GE–39238

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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS

BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

CONSTRUCTION DETAILS V

Project No. **102054601**
Date **7/24/2026**
Drawn By **GC**
Checked By **BMW**

CS505

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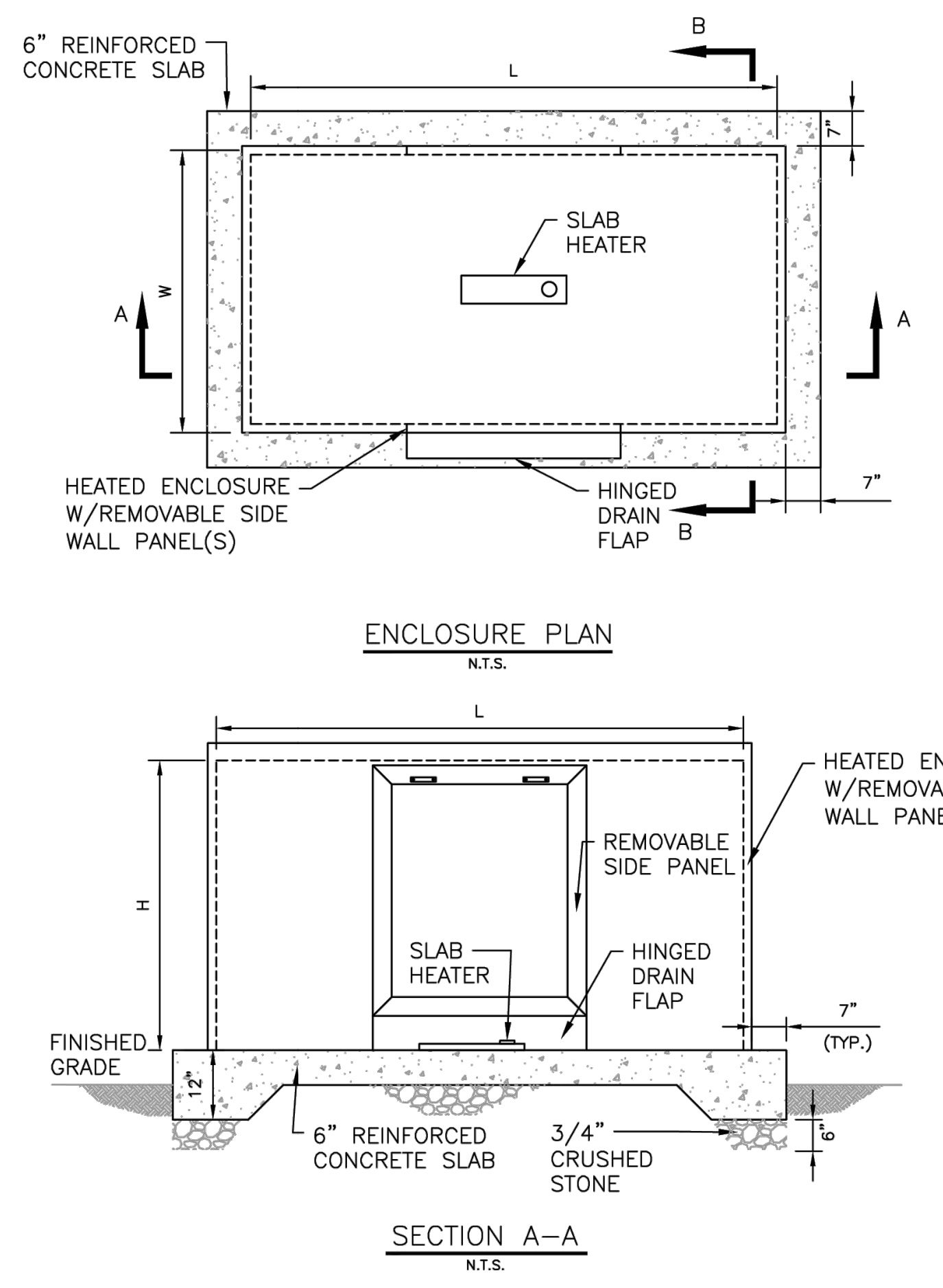
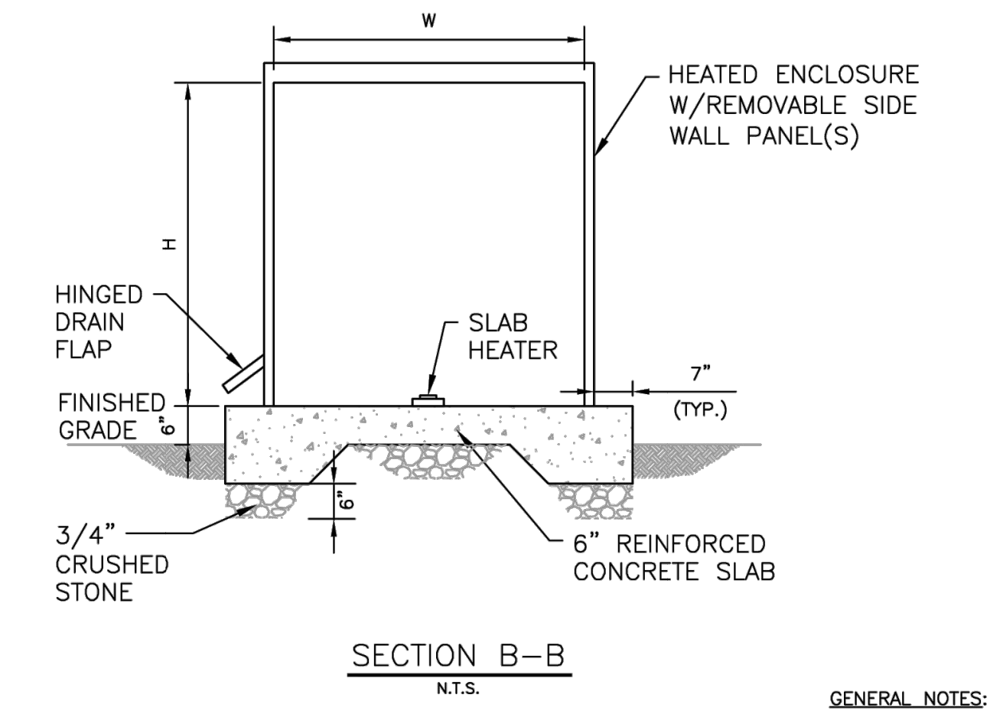
	INTERIOR DIMENSIONS FOR SINGLE SERVICE BP ENCLOSURES (DWG SD94)		
Service Size (in)	Length (ft)	Width (ft)	Height (ft)
2	8.00	3.00	6.50
3	8.00	3.00	6.50
4	10.00	3.00	6.50
6	11.00	3.00	6.50
8	12.00	4.00	6.50
10	14.00	4.00	7.00

	INTERIOR DIMENSIONS FOR FIRE & DOMESTIC METER & BP ENCLOSURE (DWG SD95)					
	Without PRV Assembly			With PRV Assembly		
Service Size (in)	Length (ft)	Width (ft)	Height (ft)	Length (ft)	Width (ft)	Height (ft)
2	12.00	5.00	6.50	13.00	5.00	6.50
3	13.00	6.00	6.50	15.00	6.00	6.50
4	15.00	6.00	6.50	17.00	6.00	6.50
6	18.00	7.00	6.50	20.00	7.00	6.50
8	20.00	8.00	6.50	23.00	8.00	6.50
10	24.00	8.00	7.00	27.00	8.00	7.00


6" REINFORCED CONCRETE SLAB
L
B
W
SLAB HEATER
A
A
HEATED ENCLOSURE W/REMOVABLE SIDE WALL PANEL(S)
HINGED DRAIN FLAP
7"
B
ENCLOSURE PLAN
N.T.S.
L
H
HEATED ENCLOSURE W/REMOVABLE SIDE WALL PANEL(S)
REMOVABLE SIDE PANEL
SLAB HEATER
HINGED DRAIN FLAP
7"
(TYP.)
FINISHED GRADE
6"
6" REINFORCED CONCRETE SLAB
3/4" CRUSHED STONE
6"
SECTION A–A
N.T.S.


W
HEATED ENCLOSURE W/REMOVABLE SIDE WALL PANEL(S)
H
HINGED DRAIN FLAP
SLAB HEATER
FINISHED GRADE
6"
7"
(TYP.)
3/4" CRUSHED STONE
6"
6" REINFORCED CONCRETE SLAB
SECTION B–B
N.T.S.

CONCRETE SLAB NOTES:

1. CONCRETE SLAB SHALL BE DESIGNED BASED ON SOIL BEARING PRESSURE OF 2,500 PSF.
2. EFFECTS OF ALL VERTICAL LOADS ANTICIPATED ON THE FINISHED STRUCTURE & SLAB SHALL BE INCLUDED IN THE ANALYSIS AND DESIGN. LOADING FROM PIPING AND EQUIPMENT, SUPERSTRUCTURES, WIND AND SNOW SHALL BE INCLUDED AS APPROPRIATE.
3. ALL ALUMINUM IN CONTACT WITH CONCRETE SHALL BE PAINTED WITH 2 COATS OF COAL TAR EPOXY OR ISOLATED FROM THE CONCRETE WITH 1/8" THICK NEOPRENE PADDING. ALL STEEL THRUST RESTRAINT ANGLES SHALL BE WIRE BRUSHED AND PAINTED WITH 2 COATS OF COAL TAR EPOXY.
4. ALL CONCRETE ANCHORS AND HARDWARE SHALL BE STAINLESS STEEL.
5. PROVIDE COMMON KEYED LOCKS FOR ALL HATCHES, ND QUICK DISCONNECT CAPS ASSOCIATED WITH THIS PROJECT.
6. DESIGN SHALL FOLLOW ACI 318–14 USING LOAD FACTOR DESIGN.
7. CONCRETE: fc = 4,000 PSI AT 28 DAYS. TYPE III CEMENT. AIR ENTRAINMENT 7% ± 2%. ASTM C33 NO. 57 OR NO. 67 COARSE AGGREGATE.
8. REINFORCEMENT: WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. BAR REINFORCEMENT SHALL BE GRADE 60, CONFORMING TO ASTM A615..

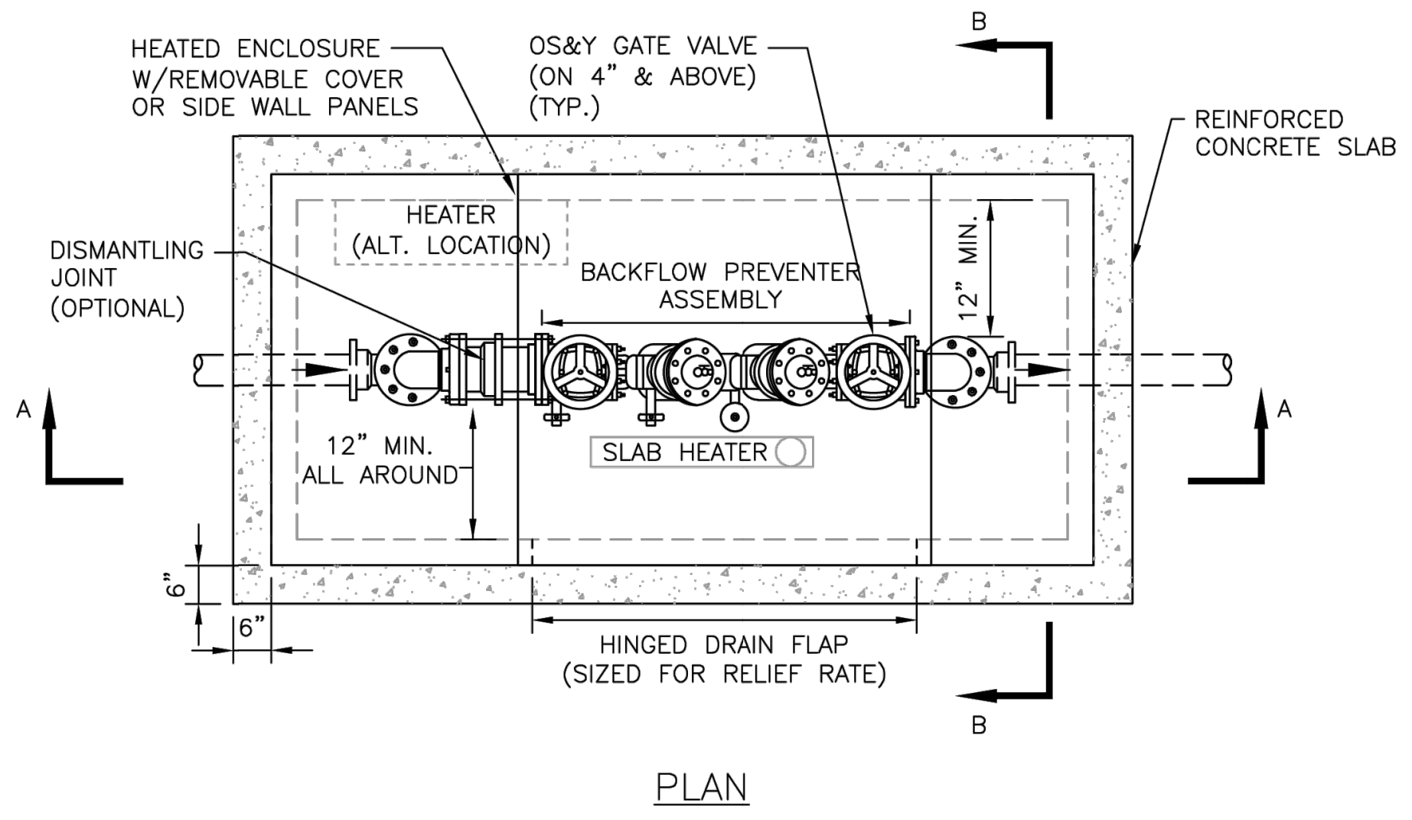
GENERAL NOTES:

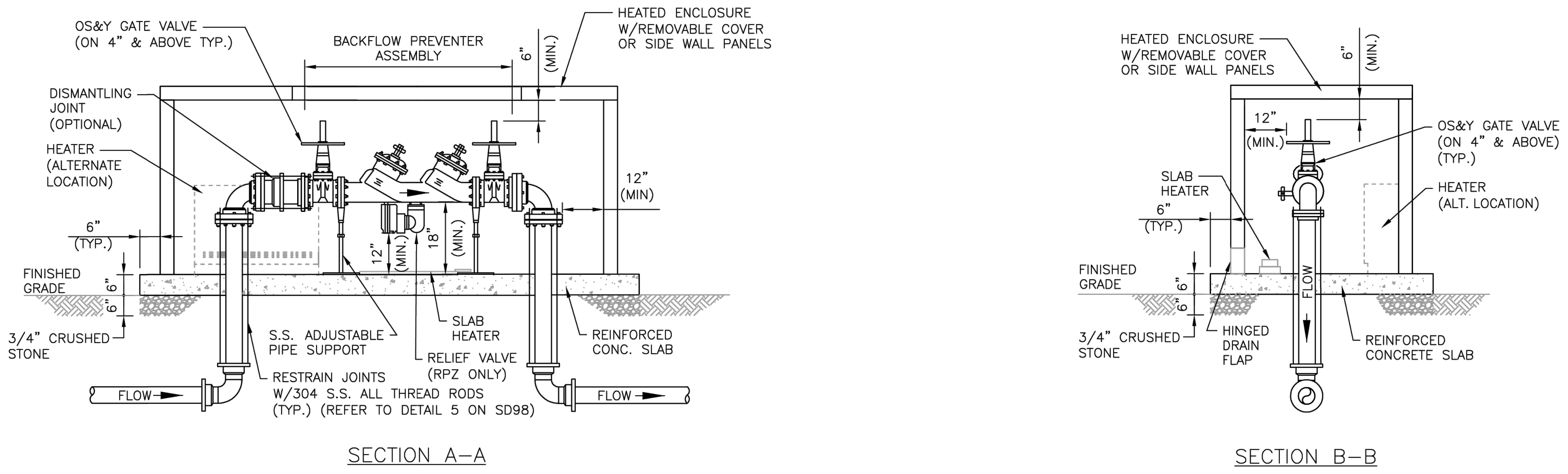
1. THE ENCLOSURE DIMENSIONS NOTED ABOVE ARE APPROXIMATE MINIMUM REQUIREMENTS BASED ON THE EQUIPMENT AND LAYOUTS SHOWN ON DRAWINGS SD93 THROUGH SD98.
2. THE DESIGN ENGINEER SHALL MAKE HIS OWN DETERMINATION TO ENSURE THAT THE REQUIRED CLEARANCES NOTED ON THE ENCLOSURE DRAWINGS ARE ACHIEVED BASED ON THE ACTUAL SERVICE SIZE(S), EQUIPMENT AND FITTINGS PROPOSED.
3. THE TABLES PROVIDED ABOVE ARE BASED ON THE LARGEST SERVICE SIZE ENTERING THE ENCLOSURE.
4. ENCLOSURE MUST MEET OSHA 29 CRF 1910.145 AND ASSE 1060 CLASS 1.
5. INSULATED HEATED ENCLOSURE CHARACTERISTICS.
   - A. ENCLOSURE–5052–H32 MARINE GRADE ALUMINUM (0.050/18 GAUGE), MILL FINISH, OR 1/8" POLYESTER RESIN REINFORCED WITH FIBERGLASS STRAND
   - B. INSULATION– 1–1/2" (R9) POLYISOCYANURATE FOAM
   - C. HEATING SYSTEM– SLAB OR WALL MOUNT THERMOSTATICALLY CONTROLLED ELECTRIC HEATER MEETING SECTION 49 OF UL–2021 FOR DAMP OR WET LOCATIONS, WITH GFI RECEPTACLE, U.L. 943 NEMA 3R MOUNTED 8" (MIN.) ABOVE SLAB.
   - D. HEATER(S) SHALL BE PROVIDED AS NECESSARY TO MAINTAIN TEMPERATURE ABOVE 40° F AT ALL TIMES.
6. ENCLOSURE MUST BE A SUFFICIENT SIZE TO HOUSE ALL REQUIRED PIPING. ENCLOSURE SHALL BE LOCKABLE. ACCESS PANELS SHALL BE ABOVE THE CENTERLINE OF THE ASSEMBLY, OR IN SIDE WALLS IN SUFFICIENT NUMBER AND LOCATION TO FACILITATE MAINTENANCE & REPAIRS ON ALL COMPONENTS. ENCLOSURE TO HAVE HINGED ONE–WAY DRAIN FLAP.
7. ENCLOSURE DIMENSIONS ARE MEASURED TO THE INSIDE WALLS.

DETAIL PROVIDED BY NEW JERSEY AMERICAN WATER

1 HEATED ENCLOSURE

NTS


HEATED ENCLOSURE W/REMOVABLE COVER OR SIDE WALL PANELS
OS&Y GATE VALVE (ON 4" & ABOVE) (TYP.)
B
REINFORCED CONCRETE SLAB
HEATER (ALT. LOCATION)
BACKFLOW PREVENTER ASSEMBLY
DISMANTLING JOINT (OPTIONAL)
12" MIN.
A
A
12" MIN. ALL AROUND
SLAB HEATER
6"
6"
HINGED DRAIN FLAP (SIZED FOR RELIEF RATE)
B
PLAN


OS&Y GATE VALVE (ON 4" & ABOVE TYP.)
BACKFLOW PREVENTER ASSEMBLY
6"
(MIN.)
HEATED ENCLOSURE W/REMOVABLE COVER OR SIDE WALL PANELS
DISMANTLING JOINT (OPTIONAL)
HEATER (ALTERNATE LOCATION)
12" (MIN)
6" (TYP.)
FINISHED GRADE
6"
12" (MIN.)
18" (MIN.)
3/4" CRUSHED STONE
S.S. ADJUSTABLE PIPE SUPPORT
SLAB HEATER
REINFORCED CONC. SLAB
RELIEF VALVE (RPZ ONLY)
RESTRAIN JOINTS W/304 S.S. ALL THREAD RODS (TYP.) (REFER TO DETAIL 5 ON SD98)
FLOW
FLOW
SECTION A–A
HEATED ENCLOSURE W/REMOVABLE COVER OR SIDE WALL PANELS
6" (MIN.)
12" (MIN.)
OS&Y GATE VALVE (ON 4" & ABOVE) (TYP.)
SLAB HEATER
6" (TYP.)
HEATER (ALT. LOCATION)
FINISHED GRADE
6"
6"
FLOW
3/4" CRUSHED STONE
HINGED DRAIN FLAP
REINFORCED CONCRETE SLAB
SECTION B–B

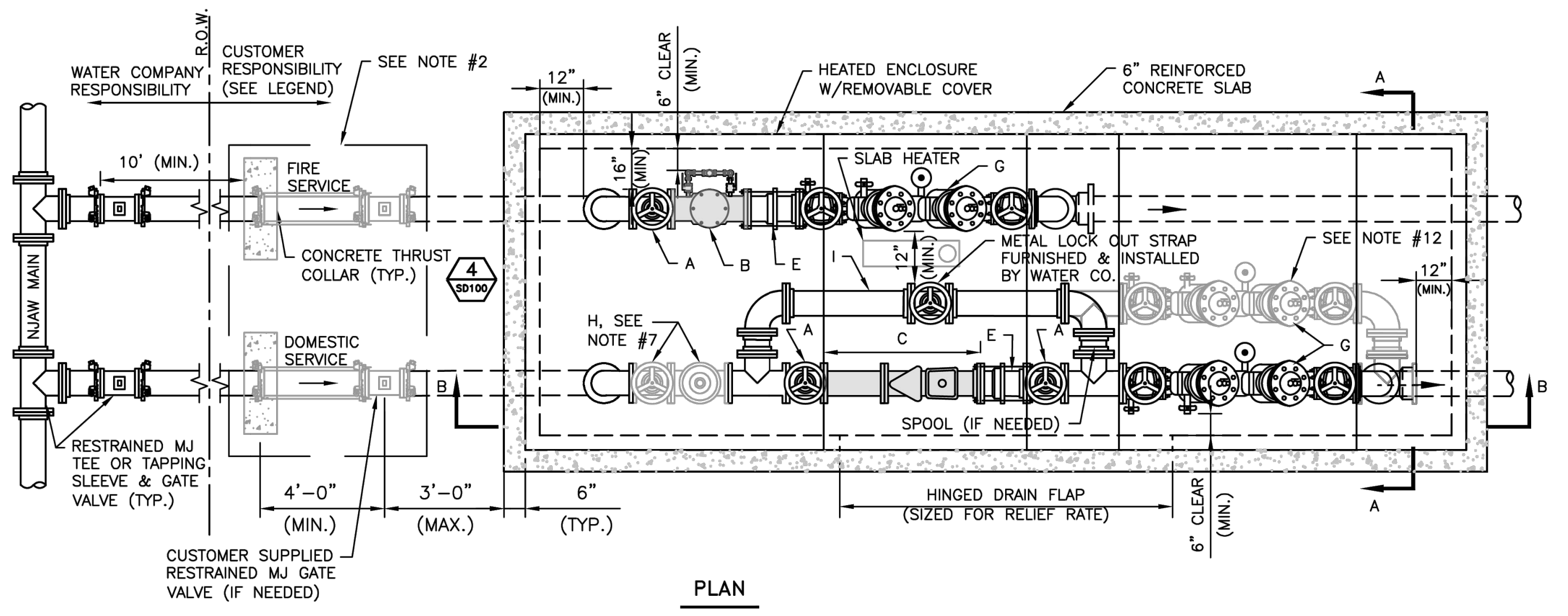
NOTES:

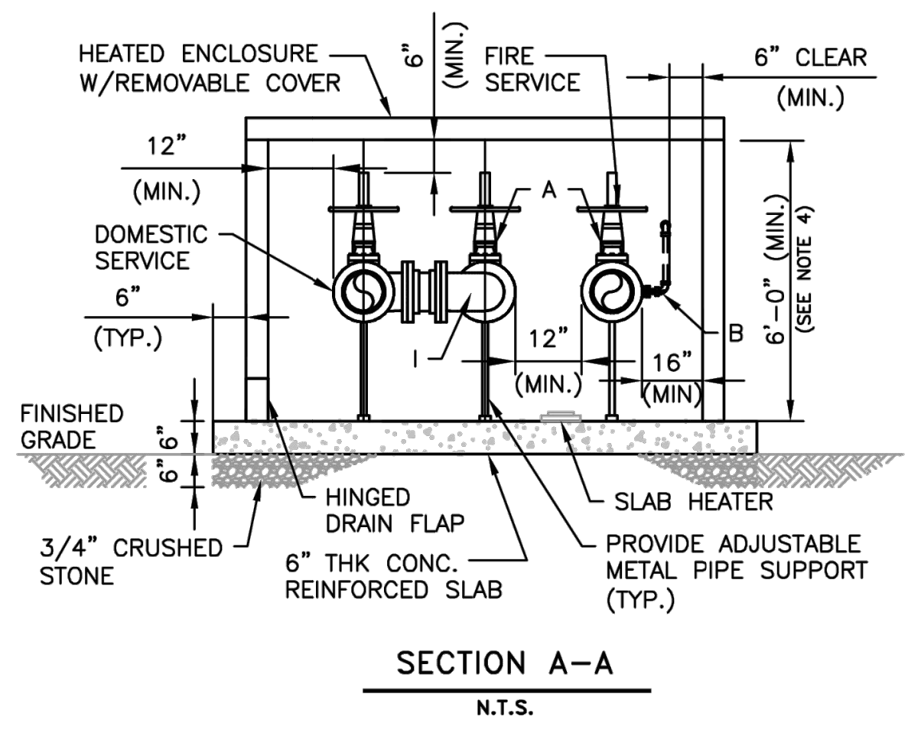
1. BACKFLOW PREVENTER ASSEMBLY SHALL NOT BE SUBJECT TO FLOODING.
2. BACKFLOW PREVENTER MUST BE INSTALLED ABOVE NATURAL GROUND, ABOVE THE 100 YEAR FLOOD LEVEL, UNLESS OTHERWISE APPROVED BY NJAW.
3. ENCLOSURE MUST MEET OSHA 29 CRF 1910.145 AND ASSE 1060 CLASS 1.
4. INSULATED HEATED ENCLOSURE CHARACTERISTICS:
   - A. ENCLOSURE–5052–H32 MARINE GRADE ALUMINUM (0.050/18 GAUGE), MILL FINISH, OR 1/8" POLYESTER RESIN REINFORCED WITH FIBERGLASS STRAND
   - B. INSULATION– 1–1/2" (R9) POLYISOCYANURATE FOAM
   - C. HEATING SYSTEM– SLAB OR WALL MOUNT THERMOSTATICALLY CONTROLLED ELECTRIC HEATER MEETING SECTION 49 OF UL–2021 FOR DAMP OR WET LOCATIONS, WITH GFI RECEPTACLE, U.L. 943 NEMA 3R MOUNTED 8" (MIN.) ABOVE SLAB.
   - D. HEATER(S) SHALL BE PROVIDED AS NECESSARY TO MAINTAIN TEMPERATURE ABOVE 40° F AT ALL TIMES.
6. ENCLOSURE MUST BE A SUFFICIENT SIZE TO HOUSE ALL REQUIRED PIPING. ENCLOSURE SHALL BE LOCKABLE. ACCESS PANELS SHALL BE ABOVE THE CENTERLINE OF THE ASSEMBLY, OR IN SIDE WALLS. ENCLOSURE TO HAVE HINGED ONE–WAY DRAIN FLAP SIZED FOR FULL PORT BACKFLOW DISCHARGE TO SURROUNDING GRADE. REFER TO DRAWING SD101.

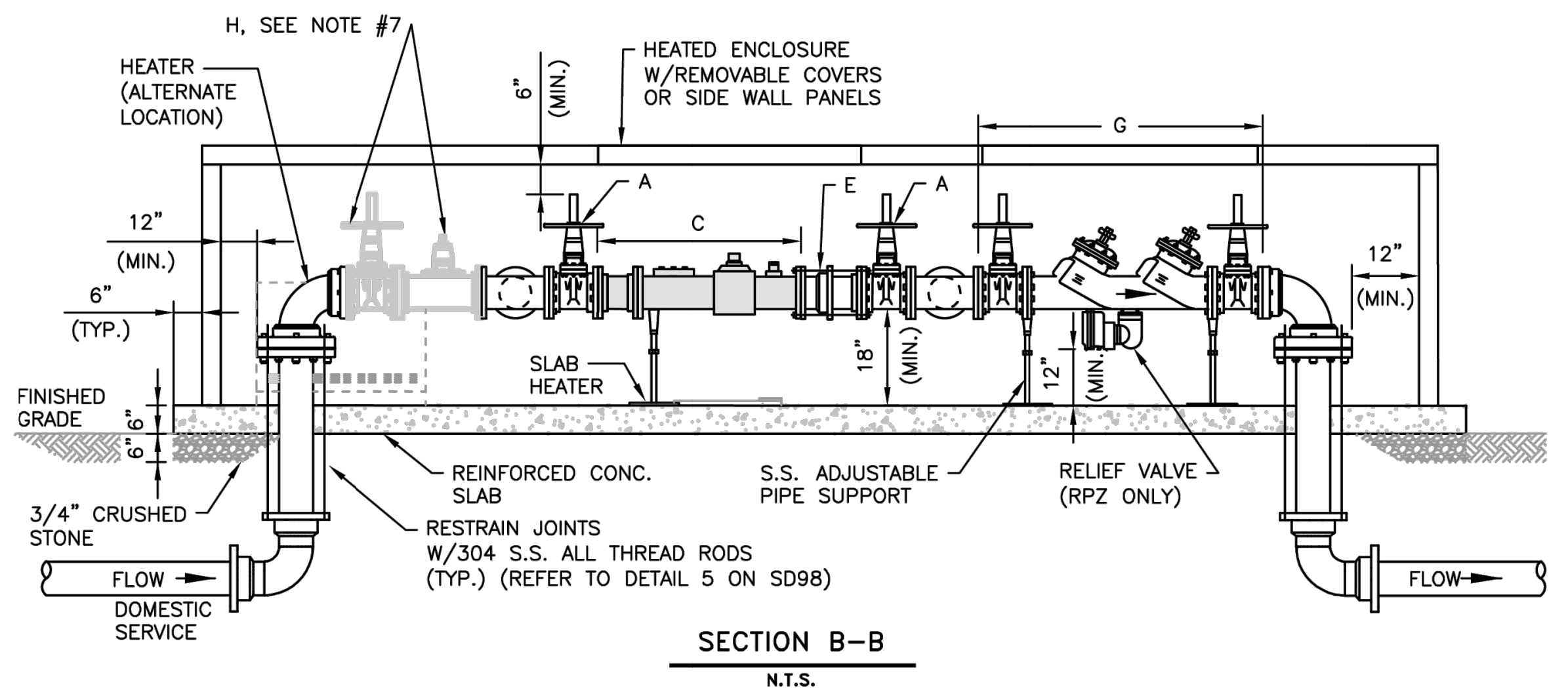
DETAIL PROVIDED BY NEW JERSEY AMERICAN WATER

2 SINGLE SERVICE BACKFLOW PREVENTER IN HEATED ENCLOSURE

NTS


R.O.W.
WATER COMPANY RESPONSIBILITY
CUSTOMER RESPONSIBILITY (SEE LEGEND)
SEE NOTE #2
12" (MIN.)
6" CLEAR (MIN.)
HEATED ENCLOSURE W/REMOVABLE COVER
6" REINFORCED CONCRETE SLAB
A
10' (MIN.)
FIRE SERVICE
16"
SLAB HEATER
G
CONCRETE THRUST COLLAR (TYP.)
4
SD100
METAL LOCK OUT STRAP FURNISHED & INSTALLED BY WATER CO.
SEE NOTE #12
12" (MIN.)
NJAW MAIN
H, SEE NOTE #7
DOMESTIC SERVICE
A B E I C E A G
B
SPOOL (IF NEEDED)
RESTRAINED MJ TEE OR TAPPING SLEEVE & GATE VALVE (TYP.)
4'–0" (MIN.)
3'–0" (MAX.)
6" (TYP.)
HINGED DRAIN FLAP (SIZED FOR RELIEF RATE)
6" CLEAR (MIN.)
A
CUSTOMER SUPPLIED RESTRAINED MJ GATE VALVE (IF NEEDED)
PLAN


HEATED ENCLOSURE W/REMOVABLE COVER
6" (MIN.)
FIRE SERVICE
6" CLEAR (MIN.)
12" (MIN.)
DOMESTIC SERVICE
6" (TYP.)
A
B
6'–0" (MIN.) (SEE NOTE 4)
12" (MIN.)
16"
FINISHED GRADE
6"
6"
HINGED DRAIN FLAP
SLAB HEATER
3/4" CRUSHED STONE
6" THK CONC. REINFORCED SLAB
PROVIDE ADJUSTABLE METAL PIPE SUPPORT (TYP.)
SECTION A–A
N.T.S.


H, SEE NOTE #7
HEATER (ALTERNATE LOCATION)
6" (MIN.)
HEATED ENCLOSURE W/REMOVABLE COVERS OR SIDE WALL PANELS
G
A
C
E
A
12" (MIN.)
6" (TYP.)
12" (MIN.)
SLAB HEATER
18"
12"
FINISHED GRADE
6"
6"
REINFORCED CONC. SLAB
S.S. ADJUSTABLE PIPE SUPPORT
RELIEF VALVE (RPZ ONLY)
3/4" CRUSHED STONE
RESTRAIN JOINTS W/304 S.S. ALL THREAD RODS (TYP.) (REFER TO DETAIL 5 ON SD98)
FLOW
DOMESTIC SERVICE
FLOW
SECTION B–B
N.T.S.

NOTES:

1. IN LIEU OF PROVIDING A VAULT FOR LARGE METER(S) (3" & LARGER) AND AN ABOVEGOUND, HEATED ENCLOSURE FOR A BACKFLOW PREVENTER ASSEMBLY, NJAW MAY ALLOW BOTH THE METER ASSEMBLY AND THE BACKFLOW PREVENTER ASSEMBLY TO BE INSTALLED IN A SINGLE ABOVEGROUND, HEATED ENCLOSURE. IF APPROVED BY NJAW, THE ENCLOSURE AND ALL APPURTENANCES ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER, UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE LEGEND. ALL ENCLOSURE AND PIPING CONSTRUCTION IS SUBJECT TO WATER COMPANY APPROVAL PRIOR TO SERVICE.
2. IF ENCLOSURE IS >20 FEET FROM NJAW SHUTOFF VALVE, CUSTOMER IS REQUIRED TO FURNISH & INSTALL AN ADDITIONAL RESTRAINED MECHANICAL JOINT GATE VALVE & VALVE BOX WITHIN 3 FEET OF THE ENCLOSURE. IF VAULT IS <20 FEET FROM NJAW SHUTOFF VALVE, CUSTOMER SHALL INSTALL A SOLID, GASKETED, MECHANICAL JOINT SLEEVE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS WITHIN 3 FEET OF VAULT.
3. EXTERIOR VALVES & FITTINGS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS, THRUST COLLARS AND/OR 304 STAINLESS STEEL RODS/NUTS AND CLAMPS.
4. BASED ON THE LARGEST SIZE GATE VALVE REQUIRED, THE MINIMUM ENCLOSURE HEIGHT (INTERIOR DIMENSION) SHALL BE AS INDICATED BELOW. LENGTH AND WIDTH SHALL BE AS INDICATED ON STANDARD DETAIL SD101:

GV SIZE	ENCLOSURE HEIGHT
2" TO 8"	6'–0"
10"	6'–6"
12"	7'–0"

5. ENCLOSURE PIPING TO BE DUCTILE IRON MEETING ANSI/AWWA C115/A21.15, OR TYPE K DRAWN (HARD) TEMPER COPPER MEETING ASTM–B88. THE USE OF FLANGED COUPLING ADAPTERS IS STRICTLY PROHIBITED.
6. NO DETECTOR CHECK VALVES WILL BE MADE AVAILABLE TO THE CUSTOMER BY NJAW PRIOR TO THE INSPECTION BY NJAW.
7. THE CUSTOMER MUST INSTALL A WATER PRESSURE REDUCING VALVE WHERE REQUIRED BY STATE OF NEW JERSEY PLUMBING CODE. INSTALLATION RECOMMENDED WHERE AVERAGE PRESSURE IS GREATER THAN 80 PSI. WHERE A PRV IS REQUIRED IT SHALL BE PRECEEDED BY AN ADDITIONAL OS&Y GATE VALVE.
8. BACKFLOW PREVENTER ASSEMBLY SHALL NOT BE SUBJECT TO FLOODING.
9. BACKFLOW PREVENTER MUST BE INSTALLED ABOVE NATURAL GROUND, ABOVE THE 100 YEAR FLOOD LEVEL, UNLESS OTHERWISE APPROVED BY NJAW.
10. ENCLOSURE MUST MEET OSHA 29 CRF 1910.145 AND ASSE 1060 CLASS 1.
11. INSULATED HEATED ENCLOSURE CHARACTERISTICS:
    - A. ENCLOSURE–5052–H32 MARINE GRADE ALUMINUM (0.050/18 GAUGE), MILL FINISH, OR 1/8" POLYESTER RESIN REINFORCED WITH FIBERGLASS STRAND
    - B. INSULATION– 1–1/2" (R9) POLYISOCYANURATE FOAM
    - C. HEATING SYSTEM– SLAB OR WALL MOUNT THERMOSTATICALLY CONTROLLED ELECTRIC HEATER MEETING SECTION 49 OF UL–2021 FOR DAMP OR WET LOCATIONS, WITH GFI RECEPTACLE, U.L. 943 NEMA 3R MOUNTED 8" (MIN.) ABOVE SLAB.
    - D. HEATER(S) SHALL BE PROVIDED AS NECESSARY TO MAINTAIN TEMPERATURE ABOVE 40° F AT ALL TIMES.
12. CUSTOMERS THAT REQUIRE UNINTERRUPTED SUPPLY OF POTABLE WATER MUST INSTALL REDUNDANT BACKFLOW PREVENTER ASSEMBLIES.
13. ENCLOSURE MUST BE A SUFFICIENT SIZE TO HOUSE ALL REQUIRED PIPING. ENCLOSURE SHALL BE LOCKABLE. ACCESS PANELS SHALL BE ABOVE THE CENTERLINE OF THE ASSEMBLIES, OR IN SIDE WALLS. ENCLOSURE TO HAVE HINGED ONE–WAY DRAIN FLAP SIZED FOR FULL PORT BACKFLOW DISCHARGE TO SURROUNDING GRADE. REFER TO DRAWING SD101.

LEGEND:

COMPONENTS SHADED IN GRAY TO BE FURNISHED BY WATER CO.

A– OS&Y GATE VALVE WITH FLANGED ENDS (FURNISHED & INSTALLED BY CUSTOMER)

B– DETECTOR CHECK VALVE W/ BYPASS METER (FURNISHED BY WATER CO., INSTALLED BY CUSTOMER)

C– DOMESTIC COMPOUND METER ASSEMBLY– METERS WITH FLANGED ENDS (FURNISHED BY WATER CO., INSTALLED BY CUSTOMER)

E– DISMANTLING JOINT TO HAVE FLANGED ENDS WITH JOINT RESTRAINT (FURNISHED & INSTALLED BY CUSTOMER)

G– BACKFLOW PREVENTER ASSEMBLY (FURNISHED & INSTALLED BY CUSTOMER)

H– PRESSURE REDUCING VALVE & OS&Y GATE VALVE (IF REQUIRED FURNISHED & INSTALLED BY CUSTOMER– SEE NOTE #7)

I– BYPASS SIZE SHALL BE NO GREATER THAN ONE STANDARD PIPE SIZE SMALLER THAN DOMESTIC SERVICE SIZE AND SHALL HAVE METAL STRAP FOR LOCKING OUT BYPASS VALVE (STRAP FURNISHED & INSTALLED BY WATER CO.)

DETAIL PROVIDED BY NEW JERSEY AMERICAN WATER

3 DOMESTIC METER AND BACKFLOW PREVENTER IN HEATED ENCLOSURE

NTS

Project No. 102054601

Date	Description	No.

Revisions

Leonard D. Savino 7/24/2026

Signature Date

LEONARD D. SAVINO
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NJ Certificate of Authorization No. 24GA27996400

Project

DATA CENTER AT BELL WORKS
BLOCK NO. 11, LOT NO. 11 38.07
A PORTION OF BLOCK NO. 11, LOT NO. 38.05
HOLMDEL TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

Drawing Title

CONSTRUCTION DETAILS VI

Project No. 102054601
Date 7/24/2026
Drawn By GC
Checked By BMW

CS506

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